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www.linkedin.com/in/kordspace
(LinkedIn)
www.kordspace.com (Company)
gitlab.com/kordspace (Portfolio)

Top Skills

React.js
TypeScript
TensorFlow

Languages

Spanish (Elementary)
English (Full Professional)

Certifications

Certified Bootstrap 4 Developer
Certified HTML 5 Developer
Certified JavaScript 5 Developer
Certified CSS 3 Developer
Certified PHP 7 Developer

Marco Lopes

Software Engineering Consultant
Denver, Colorado, United States

Summary

I'm the Founder & Software Engineering Consultant at Kordspace, where I help startups, entrepreneurs, agencies, and growing businesses design, develop, and scale custom software applications, SaaS platforms, and AI-powered solutions. I specialize in full-stack software development, software architecture, cloud infrastructure, and technical product strategy. My work bridges the gap between an ambitious idea and a production-ready product, whether that means building something from scratch, modernizing legacy systems, or transforming an early prototype into a scalable application. What I specialize in:- Custom Software & SaaS Development: Web applications, progressive web apps (PWAs), multi-tenant platforms, enterprise software, and internal business systems.- Full-Stack Engineering: React, TypeScript, Next.js, Node.js, Rust, Go, PostgreSQL, Supabase, Firebase, and modern API development.- AI & Intelligent Automation: AI agents, LLM integrations, conversational interfaces, workflow automation, and AI-powered business applications.- Cloud & DevOps: Google Cloud Platform (GCP), AWS, Azure, Docker, Kubernetes, serverless infrastructure, CI/CD, and cloud-native architecture.- Product Strategy & Architecture: MVP development, technical specifications, PRDs, UX planning, system design, and long-term scalability.- Modernization & Integrations: Legacy application refactoring, database migrations, eCommerce, CMS, CRM, ERP, blockchain, Web3, and third-party API integrations. Through Kordspace, I provide hands-on software engineering and technical consulting for organizations that need experienced development leadership without the overhead of building a large internal team. My approach is straightforward: understand the business, design the right architecture, choose the right technologies, and build software that's secure, maintainable, and ready to grow. Whether you're launching a new product, improving an existing platform, or navigating a complex technical challenge, I'm always interested in connecting with people building meaningful things. Let's build something faster than the speed of thought!

Experience

Kordspace

Founder: Software Engineering Consultant

January 2014 - Present (12 years 10 months)

Denver, Colorado, United States

As Founder and Software Engineering Consultant at Kordspace, I lead a product-focused software development consultancy that helps businesses design, build, modernize, and scale custom web applications, SaaS platforms, internal systems, and AI-enabled digital products.

Kordspace works with founders, agencies, and growing companies that need senior technical direction, full-stack engineering execution, and clear product strategy without the overhead of building a large in-house team. My role combines software architecture, product discovery, technical planning, cloud infrastructure, database design, API development, security review, and hands-on implementation across modern web and application stacks.

The company has evolved from a small web application and branding studio into a broader engineering partner focused on practical, scalable, and maintainable software. Kordspace supports projects from early concept and PRD development through prototyping, production development, deployment, modernization, and long-term technical roadmap planning.

Our work commonly includes React, TypeScript, Node.js, PostgreSQL, Supabase, Firebase, Google Cloud, Azure, serverless infrastructure, workflow automation, AI-assisted development pipelines, and custom platform architecture. The focus is on helping clients turn complex ideas into reliable software systems that can support real users, real operations, and long-term growth.

SVRGE

Founder: Creative Director

January 2021 - Present (5 years 10 months)

Cheyenne, Wyoming, United States

SVRGE is a modern digital marketing firm that engages with 3D Designers to deliver 3D environment design assets, as well as enhanced CGI and special effects using photogrammetry techniques for Unreal Engine 5, Maya, Cinema 4D Redshift. SVRGE offers services for B2B customers that desire to engage

their audiences using 3D VR / AR websites compatible for Oculus Quest Browser using an implementation of A-Frame, WebXR & Unity object export plugins.

Svive Ventures

CRDO: Managing Director

October 2026 - Present (1 month)

Denver, Colorado, United States

As Chief Research and Development Officer at Svive Ventures, I lead product strategy, educational research, and platform development for the company's financial literacy education ecosystem. My work currently focuses on RamlQ and RamQuest, two connected products designed to help students learn financial concepts through structured digital education and engaging simulation-based experiences.

RamlQ serves as the education platform layer, supporting schools, teachers, students, parents, and administrators with tools for curriculum delivery, assignments, student progress, classroom engagement, and financial literacy learning workflows. RamQuest extends that learning into an interactive game-like environment where users can explore money management, career paths, saving, spending, investing, decision-making, and real-world financial behaviors through simulated scenarios.

In this role, I help define the product vision, learning systems, feature requirements, user experience, technical direction, and long-term roadmap for both platforms. The goal is to make financial education more practical, accessible, and engaging by combining classroom support, AI-assisted learning tools, and immersive simulation experiences into a unified product ecosystem.

Wurla

CTO: Ethereum Blockchain Developer

January 2021 - Present (5 years 10 months)

Cheyenne, Wyoming, United States

An Ethereum ERC-1155 monolith smart contract dApp project with interests in developing supply chain 3PL solutions by developing a UI for secure custodialized P2P goods and material services wallet to wallet transfer UI. A decentralized material and utility service platform built using React Hard Hat, Truffle & Solidity. Current certified partners are primarily within the PPE materials space.

SquareCoil

Lead Software Architect

December 2025 - May 2026 (6 months)

San Diego, California, United States

As a Lead Software Architect for SquareCoil from December 2025 to May 2026, I led the modernization of a legacy sign-manufacturing ERP platform into a scalable multi-tenant SaaS architecture. My work included designing the system architecture across enterprise, corporate, and customer applications; guiding the migration from legacy PHP/LAMP patterns into modern React, TypeScript, Node.js, Go microservices, and Azure-based infrastructure; and helping define the long-term database-per-tenant strategy for improved security, scalability, and client isolation.

I also contributed heavily to front-end and back-end development, security hardening, API design, data migration planning, service architecture, and release readiness. A major part of my role involved identifying critical vulnerabilities, improving tenant isolation, planning secure file storage and audit-ledger systems, and coordinating the technical roadmap needed to support enterprise clients, internal operations, and customer-facing portals.

MyFBAPrep

Lead Software Engineer

April 2022 - March 2025 (3 years)

Fort Lauderdale, Florida, United States

Worked on migrating previous Preptopia systems away from Linode cloud provider into Google Cloud Platform. Added reconfigurations for GKE, Redis, etc... moved to using MongoDB Atlas enhancing cloud GUI capabilities. Implemented product order detail updates and item catalog updates for inventory tracking features. Enhanced team knowledge and diagrams. Some travel to NJ and Toronto to meet with partners and warehouse clients. Continuous CI/CD testing and QA. Upgrading and maintaining existing platform.

WealthEnV

Chief Information Officer

September 2021 - March 2025 (3 years 7 months)

San Diego, California, United States

As Chief Information Officer and Managing Director at WealthEnV, I led the company's technology strategy, software architecture, and digital product

development, focusing on the intersection of financial technology, artificial intelligence, immersive education, and interactive gaming.

I oversaw the technical development of Financity, an ambitious Unreal Engine 5 financial literacy MMO designed to make financial education more accessible through immersive simulations, real-world market data, and interactive learning experiences. My responsibilities spanned full-stack application development, cloud infrastructure, database architecture, API ecosystems, AI-powered educational systems, and the integration of financial technologies into interactive digital environments.

I worked closely with multidisciplinary development teams to establish scalable software architectures, streamline engineering workflows, modernize legacy systems, and implement secure, cloud-native solutions. My role combined executive technology leadership with hands-on software engineering, product strategy, and technical problem-solving, helping translate complex ideas into functional applications and interconnected platforms.

Tuzo Rewards

Lead System Architect

June 2023 - December 2024 (1 year 7 months)

Phoenix, Arizona, United States

SaaS payment gateway software which allows ISO's to board merchant processing accounts and offer their merchant accounts rewards on transactions for luxury goods, trips, hotels, rentals, electronics, and gift cards. Implemented several API connections for different merchant processing accounts through Access One, TSYS, Iris, Maverick, First Data, Sabre, & more! Points calculations and marketing website via WordPress are also maintained to offer new raffles and rewards each month.

Universal Music Group

Full Stack Technical Engineer

April 2022 - March 2024 (2 years)

Santa Monica, California, United States

Building custom applications for Universal Music Group artist Shopify stores as embedded iFrame Web Applications leveraging Polaris components in a react typescript environment. Writing backend services for database migrations on financial data and product listings online. Connecting email services and updating artist websites. Maintained U-Music Careers website and helped

implement experimental development features with NLM assistant financial index chat interfaces.

ARCQ

CTO: Deep Learning Engineer

May 2019 - May 2022 (3 years 1 month)

Portland, Oregon, United States

Utilizing the ARCQ Orator Services API we've developed in the context of creative and technical industries (music, advertising, writing, legal, & deathcare) we endeavor to democratize availability of advanced AI conversational interfaces & systems for its users to connect with historical figures and assistive virtual consultants as virtual agents on a profound level. This allows people to have the ability to truly understand historical figures & natural linguistics patterns by asking a real-time generative replica (vocal synthesis & synthetic animated likenesses) direct questions about the reasoning behind their most meaningful decisions, ideals, and philosophies. To check out the app online visit: ai.arcq.app

Load To Ride Transportation/One Stop Freight Ways

Marketing Director: System Admin & Hardware Engineer

June 2018 - May 2022 (4 years)

Denver, Colorado, United States

Oversee on-premises IT solutions for a logistics supply chain, ground freight, less-than-truckload (LTL) nationwide transportation network. Responsibilities include: UX/UI Design & Development Updates for REACT.JS / FIREBASE Application, Media Content Generation (Photography & Videography), Networking & Hardware Solutions Engineering for a 50 person VoIP call center, Artificial Intelligence Driven Price Matrices, Logistics Filtering & CSV Automation, Google Cloud Platform & G-Suites Admin, ChatBot Architecting & General Troubleshooting.

Musiclear

CTO: Project Manager & Ethereum Blockchain Engineer

October 2020 - April 2022 (1 year 7 months)

Las Vegas, Nevada, United States

Building the Musiclear application (musiclear.app) allows for transparent and fair representation for music artists to AR / label royalty tracking and financial software platform UI. Project was developed for SMCK Media Group and made use of lending protocols such as DeFi. Incorporated elements of generative AI to help artists write lyrics for their songs. Was connected to the ARCQ API

during alpha testing. Was never fully launched but we were able to produce a proof of concept alpha stage application that showed a lot of promise.

Foundation for Purposeful Organizations

Project Manager & Fullstack Developer

August 2018 - April 2022 (3 years 9 months)

Orange County, California, United States

Strategic training software designed and developed for FFPO. Our team delivers updates to the existing community of 50 active members. Learn how to engage in purposeful leadership and scale a business using technology.

Pondata

Design & Deep Learning Engineer

August 2018 - March 2022 (3 years 8 months)

Cheyenne, Wyoming, United States

Pondata is an analytical data infrastructure consulting agency focused on providing modular use case specific solutions for scaling businesses and enterprises. Over the past 5 years, our founders have had the privilege of effectively implementing big data systems for billion dollar tech initiatives such as Google, and SAP.

Since 2018, Pondata has been hard at work helping to automate big data infrastructure implementation for enterprises that are curious about the future impact of disruptive exponential technologies. They help customers leverage their data and tackle the most challenging problems with ease. With the power of technology we increase efficiency across every department, while reaching new audiences using the latest cloud based software frameworks such as IBM's Hyperledger. Putting to use machine learning and artificial intelligence algorithms to assist staff in utilizing their time more efficiently, providing them the freedom of opportunity to target more important, high level issues.

Frameworks we use for advanced ChatBot functionality include: GPT-2 & GPT-3 via OpenAI & Google's Dialogflow API.

Languages Include: Tensorflow, Keras, Python, Anaconda, Flask, & React.js

Mortgage Ready LLC

Project Manager & CX Designer

December 2020 - November 2021 (1 year)

Vancouver, Washington, United States

Design and developing planning software for an enhanced CRM with alert system and billing terminal functionality utilizing a private merchant processor API. Work includes UX/UI design and react.js development, framework knowledge and technical writing for spec documentation.

Fulfilld

Project Manager & CX Designer

December 2020 - May 2021 (6 months)

United States

Intelligent warehouse IoT technology designed for task dispatching within warehouses integrates to SAP Hana. Designed and produced Figma prototypes and implemented databasing optimizations for pulling bulk SKU's using a NoSQL Index mapping on top of a PostgreSQL relational database.

Fynda

Deep Learning Engineer & Fullstack Developer

August 2019 - January 2021 (1 year 6 months)

Atlanta, Georgia, United States

Fynda.io is a music analytics social media app that helps users to meet friends based on their music taste broken down into granular percentages for each genre, a user can import their existing spotify listening statistics via our robust mapping of the Spotify API. Users are able to view suggestions for new music they might like as well as swipe yes or no on songs to save them to a favorites list that changes their unique music imprint. Users may also choose to and go to events or shows together utilizing EventBright API. Fynda uses advanced AI Deep Learning Tensorflow 2.0 models to suggest new music to a user based on their determined genre ratio breakdown. It also is furnished with capabilities for classification of genres out of Spotify samples. Frameworks included are KERAS, Librosa, Kapre.

Legalese - Legal Made Easy

Project Manager & CX Designer

July 2019 - December 2020 (1 year 6 months)

Portland, Oregon, United States

Legalese delivers Case Management Software developed by Lawyers for Lawyers and their Clients. Buy marketing packages online and share your business to the users in the platform. To check out the app online visit: golegalese.app

Magic.Agency

Principal Systems Engineer

July 2018 - December 2019 (1 year 6 months)

Boulder, Colorado, United States

Magic Agency is a digital marketing group focused on advertising sustainable brands in health, wellness and environmentalism. By optimizing for UX and removing cluttered UI elements, user pathways are optimized for peak conversion before we run a single advertisement. Magic has a capable team of graphic designers and regional market analysts that study the identity behind your company and ensure it touches the hearts of your valued customers.

At Magic Agency I oversee the implementation of user experience improvements across our partnered client websites. Via structured data snippets, Google AMP, Facebook Pixel and other automated widgets, we push conversion rates to the limit by speaking the right words to the search engine crawlers.

We create every asset needed to nurture prospects into customers, which includes: Lead Magnets, Landing Pages, Sales Conversion Tracking, Email Marketing, and Automated Sales Mechanisms.

Doctors' Beauty Choice

Digital Marketing Manager

June 2016 - August 2017 (1 year 3 months)

Lakewood, Colorado, United States

Doctors Beauty Choice is part of Diva Lauren Co. as 1 of many separate companies I managed by developing in house marketing strategies.

Our many companies included Patsy's Craft Confections out of Colorado Springs, Doctors' Beauty Choice based in Lakewood, CO, Summit Soap from Breckenridge, CO, and 5 others.

Our team actively focused on building up brand awareness for these businesses local to Denver, Colorado. This was done by targeted digital advertising and B2B meetups & networking as well as curating lead lists and assigning them to outdoor sales representatives.

Concluded work on their in-house projects and continue to work with DBC on a contracting basis.

Design Hub

Digital Media Designer

January 2013 - December 2013 (1 year)

Portland, Oregon, United States

- Adobe Creative Suite / Illustrator / InDesign
- Gained knowledge and experience in Responsive Web Design / HTML / CSS / Word Press / Bootstrap Framework & Mobile Optimization.
- Created brand identities and logos, direct mail-outs cards and marketing publication, and sales decks.
- Custom Catalogs and Print Design Specializations.
- Sales calls, chamber of commerce, networking and relationship building.
- Sold over 20 pieces of custom artwork designed for commercial businesses around Portland.

Earthbound Publishing

Marketing Campaign Manager

July 2011 - August 2013 (2 years 2 months)

Portland, Oregon, United States

Used Adobe Illustrator, InDesign, Photoshop, and built custom fonts.

Conceptualized & launched a marketing campaign for a novel. Cold-called on businesses & was featured in San Diego Comic-Con 2013.

Education

Camas High School

High School Diploma, Computer Sciences, 3D & Digital Design Studies, Calculus, Physics, Chemistry, Biology · (2010 - 2011)