

Nikolas Dujakovich

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Summary

Full-stack software engineer with experience leading teams, building high-scale customer-facing applications, and driving engineering best practices. Skilled across modern frontend frameworks, backend microservices, and cloud infrastructure. Known for balancing hands-on delivery with mentorship and cross-functional collaboration. Passionate about engineering culture and leveraging AI to solve real-world problems.

Professional Experience

Senior Software Engineer, AmeriSave Mortgage – Sandy Springs, GA (Remote)

Feb 2025 – Present

- Led development of a multi-step mortgage purchase flow used by high volumes of applicants during a period of significant rate changes.
- Directed a small engineering team, managing feature planning, architecture, and delivery while aligning technical decisions with business objectives.
- Enhanced performance and user experience through targeted architectural and UX optimizations.
- Implemented observability stack with Datadog and OpenReplay, increasing visibility into production health.
- Owned CI/CD pipelines in GitLab to ensure stable, repeatable deployments.

Senior Software Engineer, Capital One – Plano, TX (Hybrid)

Jan 2024 – Feb 2025

- Delivered a dealership trade-in tool using SolidJS and TypeScript, powering dynamic offer generation across multiple partner platforms.
- Extended Kotlin/Java Spring Boot APIs to integrate third-party lenders, enabling broader financing options.
- Partnered with product and design leads to define scalable technical strategies that shaped long-term platform direction.
- Built trust across engineering and product teams by driving cross-team collaboration and accelerating delivery timelines.

Software Engineer II, Capital One – Plano, TX (Remote)

Feb 2022 – Jan 2024

- Created reusable LitElement components adopted across multiple teams, reducing frontend duplication and simplifying maintenance.
- Developed Spring Boot REST APIs for pricing, filtering, and authentication within a microservices architecture.
- Optimized CI/CD practices with Jenkins, cutting deploy-related bugs and accelerating release cycles.
- Mentored junior engineers and led an intern project that shipped a production-ready Search Bar micro frontend.
- Provided proactive support to platform consumers, resolving integration issues and reducing turnaround time.

Software Engineer I, Capital One – Plano, TX (Remote)

Aug 2020 – Feb 2022

- Developed an auto loan pre-qualification UI in React, adopted by over 3,000 dealerships nationwide.
- Owned frontend test strategy using Cypress and custom mocks, significantly improving test reliability.
- Suggested and implemented improvements to architecture and workflows that improved team velocity.

Projects

AI-Powered Lawn Care Analysis App

- Cross-platform mobile app in React Native that provides real-time lawn health assessments and care guidance.
- Integrated OpenAI's API with a custom prompt-driven agent to generate actionable recommendations from user inputs and images.
- Incorporated Tempest's hyperlocal weather API to deliver precision-timed advice based on environmental conditions.
- Designed AI prompt strategies to adapt guidance to seasonal patterns, grass types, and maintenance schedules.
- Showcases end-to-end product development including UX design, mobile engineering, and AI integration.

Skills

JavaScript, TypeScript, Java, Kotlin, SQL, HTML, CSS, ElasticSearch, Vue, Nuxt, React, SolidJS, Spring Boot, AWS, GitLab, Figma, Jira, Jenkins, LitElement, Cypress, OpenReplay, Datadog, Splunk, PagerDuty

Certifications

AWS Certified Solutions Architect - Associate (2021–2024), Amazon Web Services

Demonstrated expertise in building secure, resilient, and scalable applications on AWS.

Education

Bachelor of Science in Computer Science, California State University San Marcos – San Marcos, CA (Aug 2015 – May 2020)