ALPEREN UGUS
Senior Software Engineer

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SUMMARY

Senior Software Engineer with over 5 years of experience architecting and scaling resilient distributed systems within the healthcare and fintech industries. Proven track record of leading large-scale cloud migrations and building high-performance full-stack applications that drive operational efficiency. Expert in integrating Agentic AI to solve complex automation challenges and dedicated to engineering excellence through robust observability and secure, scalable architecture.

SKILLS

GitHub: https://github.com/alperenugus

Languages, Libraries, and Frameworks:

- JavaScript, TypeScript, Jest, HTML, CSS, Angular 6+, Lit, React, Redux, React Router, React Testing Library, React Hook Forms, Formik, AJV, Storybook, Figma, Material UI
- Java, JUnit Spring Boot, GraphQL, Node.js, C++, PostgreSQL, Kafka, Docker, Redis
- Agentic AI: LLMs, ReAct, LangChain4j, Tool Calling, AI Safety

Tools and Technologies: AWS, GCP, Splunk, Jenkins, Grafana, New Relic, Datadog, SonarQube, Postman, Git, Jira, CI/CD Pipelines
Certificates: AWS Certified Developer - Associate, Splunk - Intro, Dashboards and Search Under the Hood

PROFESSIONAL EXPERIENCE

EHEALTH INC. — Austin, TX
Sr. Software Engineer — Apr 2025 - Present

- Architected a centralized **appointment reminder system** using **Java**, **AWS SQS**, and **Redis** delivering periodic SMS/email notifications for follow-up, app, lead, and session appointments, improving appointment attendance rates by **30%**.
- Prioritized and sequenced script loading for eCommerce platforms, implementing a **lazy loading** strategy that reduced initial page load times by **15-20%** and optimized user experience.
- Drove alignment on microservice architecture by mentoring the engineering team on request lifecycle management, **GraphQL** implementation, and **API-proxy** patterns, ensuring technical solutions mirrored complex business requirements.

TRITECH SOFTWARE DEVELOPMENT — Dallas, TX
Sr. Full Stack Software Engineer — Aug 2023 - Apr 2025

- Led the migration of a legacy desktop application to a modernized **cloud-based** web application, architecting a **microservice-based** system with custom, function-level security to ensure robust, fine-grained authentication.
- Designed and implemented the new Stratus UI utilizing **React with Redux**, focusing on scalability and maintainability. Established a **reusable component library** using Storybook and Material UI, ensuring a consistent theme.
- Architected a full-stack administrative application to automate complex product access management, **reducing operational overhead by 95%.**
- Integrated **Auth0** for UI authentication as well as microservices machine to machine communication.
- Mentored engineers through hands-on training in coding standards, system flows, and microservice architecture.

CAPITAL ONE — Dallas, TX
Sr. Associate, Software Engineering — Feb 2022 - Aug 2023

- Redesigned **high-traffic** platforms through **A/B testing** and modular architecture , optimizing the user journey for **300k+ daily visitors** to instantly access key services.
- Architected a real-time data synchronization system using **event-driven patterns**, eliminating the need for daily database batch syncing.
- Engineered an enterprise **observability** framework to enable real-time system monitoring and proactive issue resolution.
- Optimized application **reliability** via robust error-handling and feature flagging, reducing bug resolution time by **20%**

EHEALTH INC. — Santa Clara, CA
Software Engineer — Oct 2021 - Feb 2022

- Developed **full-stack** features to improve user engagement and implemented centralized **observability** and integration documentation, reducing troubleshooting and support resolution times by **50%** while earning **cloud certifications.**

ZAYO GROUP — Boulder, CO
Software Engineer — Feb 2021 – Oct 2021

- **Automated** frontend development workflows, reducing the engineering time required for new components by **90%**.
- Optimized application performance through advanced **caching** strategies, resulting in a **40%** reduction in response times.

EDUCATION

COLORADO SCHOOL OF MINES — Golden, CO
Bachelor of Computer Science, Cum Laude — Aug 2021