AJAY VIGNESHWAR GB

Key Skills: Full-Stack Development, Microservices Architecture, CI/CD, Azure, FastAPI, Next.js, AI Integration, Agile Leadership | aj.gb8056@gmail.com | 2269758056

PROFILE

Results-driven **Senior Software Engineer** with **7+ years** of full-stack experience in architecting scalable applications using **Next.js, React.js, FastAPI, and Azure**. Proven ability to **reduce release cycles by 80%**, modernize legacy systems, and lead end-to-end delivery from frontend to CI/CD. Passionate about AI integration, clean architecture, and mentoring teams to adopt modern engineering practices.

PROFESSIONAL EXPERIENCE

Senior Software Developer, Lithia Motors, Inc., Toronto   January 2025 — Present

- **Architected and led end-to-end feature development**, from planning and design to implementation, across the frontend, backend, database, and CI/CD layers.
- Spearheaded the **modernization of legacy pipelines**, reducing release time by **80%** through optimized CI/CD workflows and infrastructure enhancements.
- Built and maintained **microservice and distributed system architectures**, enabling high scalability and modular deployment of enterprise features.
- Developed **ETL pipelines using Azure Data Factory (ADF)** to process and load large-scale datasets, supporting critical data workflows.
- Engineered a **frontend configuration pattern system** that eliminated repetitive code and enabled scalable, reusable UI components across the app.
- Designed and implemented **AI-powered solutions** by fine-tuning OpenAI and Azure-based models on internal data—improving response accuracy and operational efficiency.
- Conducted **team-wide AI enablement sessions**, mentoring engineers on building secure and structured guardrails for coding assistants—transforming "vibe coding" into disciplined AI development practices.
- Passionate about **clean architecture and core software principles**, consistently applying SOLID, DRY, and design patterns across projects.
- Mentored 4 junior engineers, conducted architecture sessions, and set best practices for scalable AI-assisted development.

Software Engineer, Lithia Motors, Inc., Toronto   April 2022 — January 2025

- Led implementation of scalable backend services using FastAPI and PostgreSQL.
- Enhanced CI/CD pipeline, optimizing release processes and reducing cycles.
- Developed and integrated RESTful APIs, improving service communication.
- Collaborated on performance tuning and accessibility improvements in React.js.
- Supported Agile methodologies, refining ticket estimation and feature grooming.

Software Developer, Pfaff Automotive Motors, Toronto   February 2021 — April 2022

- Developed backend applications using FastAPI and Python, enhancing performance and scalability.
- Architected CI/CD pipelines in MS Azure, reducing operational costs through efficient deployment strategies.
- Modernized legacy .NET applications, improving system integration and user experience.
- Collaborated on cross-functional teams to deliver innovative software solutions aligned with business goals.
- Implemented Azure Functions and RPA bots to automate processes and increase productivity.

Full Stack Engineer, Insyght.AI, Oakville   May 2019 — January 2021

- Developed and implemented scalable web applications using Next.js and React.js.
- Collaborated with cross-functional teams to enhance user experience and operational efficiency.
- Architected and maintained CI/CD pipelines to streamline deployment processes.
- Modernized legacy systems, ensuring seamless integration with existing infrastructures.
- Engaged in software development methodologies to ensure high-quality code delivery.

System Engineer, Infosys   June 2016 — February 2018

- Built **Single Page Applications** using **Angular 6** and **Spring Boot** following **Agile methodology**.
- Designed system architecture with **Use Case, Sequence, and Class Diagrams**.
- Developed **REST APIs** using **Spring Boot** and **Microservices**; containerized services using **Docker**.
- Created base framework and **reusable components** to accelerate development across teams.
- Implemented **API templates with Swagger**, and managed version control with **Git, Bitbucket, and SVN**.
- Built **Wall-Garden sites** and **web servers** using **VMWare**; experienced in **Unix scripting**.

- Tech Stack: Angular, Spring Boot, Java, TypeScript, Node.js, Oracle, Docker, Git, VMWare

System Engineer Trainee, Infosys   **January 2016 — May 2016**

EDUCATION

Master of Engineering - MEng   **January 2018 — January 2019**
University of Windsor

PROJECTS

AI Support Assistant for Internal Applications
Built an AI-powered assistant using OpenAI + Azure, fine-tuned on company data to automate FAQs and boost internal productivity.
Impact: Reduced manual support by 60%.

Legacy Pipeline Revamp
Redesigned CI/CD for monolithic app 'Build Once Deploy Many release pattern, cutting release time from 1 day to 2 hours.
Tools: Azure DevOps, Docker, ADF

ADDITIONAL INFORMATION

- **Languages:** English (Professional Working), French (Elementary), Tamil (Native or Bilingual)