Ayush Mehta

San Francisco, California | +1 916-507-4898 | ayushmehta09@gmail.com | www.linkedin.com/in/ayushm98/ | https://www.ayushmehta.info/

SUMMARY

Full Stack Software Engineer with 3+ years of experience automating internal workflows and building scalable distributed systems using Python, Java, and Node.js. Skilled in designing event-driven microservices, integrating with SaaS platforms, and delivering cost-saving internal tools. Recently completed MS in Computer Science (AI/ML focus), with hands-on experience in GenAI, serverless architectures, and observability tooling. Proven impact in reducing manual processes and building AI-powered platforms at enterprise scale.

SKILLS

Programming & Databases: Python, Java, JavaScript, TypeScript, C++, SQL (MySQL, PostgreSQL, SQL Server), MongoDB

Frameworks & Tools: Node.js, Express.js, Spring Boot, Jest, Mocha, Azure Monitor, Application Insights

Cloud & DevOps: Azure (Functions, APIM, Event-Hub, Service Bus), AWS (S3, Lambda, EC2), Docker, Terraform, GitHub, CI/CD

APIs & Architecture: REST, GraphQL, Webhooks, Event-driven architectures, Microservices

AI/ML: Azure OpenAI, GenAI, Semantic Search, Prompt Engineering, LangChain (basic prototyping)

EXPERIENCE

Software Developer | Celebal Technologies | Jaipur, India   Nov 2021 – Aug 2023

- Developed a **Cloud Automation Tool** that replaced manual ticketing workflows by integrating Azure Functions, SQL Server, and .NET backend services; automated over 300 monthly resource requests across 10+ clients.
- Created a **cost monitoring dashboard** across subscriptions/resource groups, leading to a **25% reduction in monthly cloud spend** through automated insights.
- Built RESTful and GraphQL APIs using Node.js and Java; implemented event-driven logic to integrate with external systems via **webhooks.**
- Used **Python** scripts for cloud resource automation, log parsing, and internal tooling enhancements that accelerated workflows by 30%.
- Integrated **Azure Monitor** and App Insights for performance tracking and alerting, improving issue resolution time by **40%**.
- Designed IaC templates with Terraform/ARM to automate deployment; improved deployment speed by **60%** across internal tools.
- Led a cross-functional team of 6 developers and worked with product stakeholders to iterate solutions using **feedback-driven prototyping**.

Systems Engineer | Infosys Ltd | Bangalore, India   Nov 2020 – Oct 2021

- Built and maintained **distributed backend services** using Java, Spring Boot, and SQL, handling over 500K daily transactions.
- Developed secure APIs with **OAuth 2.0 and JWT**, reducing security incidents by **90%**.
- Designed 50+ **stored procedures** and optimized SQL queries, reducing execution time by **35%**.
- Documented APIs using Swagger and Postman to aid faster frontend integration.

EDUCATION

Master of Science – Computer Science | California State University, Sacramento, USA | **GPA: 3.88**   **May 2025**
Specialization: AI & Machine Learning

Bachelor of Technology – Information Technology | Rajasthan Technical University, Kota, India | **GPA: 3.2**   **Nov 2020**

Certifications: Microsoft Certified: Azure Fundamentals (AZ-900) & Azure Developer Associate (AZ-204)

PROJECTS

IPGE Chatbot – AI-Powered Student Support Platform | CSUS   Aug 2024 – Apr 2025
Node.js, React, GenAI, Azure OpenAI, Semantic Search, REST APIs, LangChain.
- Built a conversational AI assistant using Azure OpenAI and secure SQL-backed APIs to support international students.
- Used LangChain to orchestrate workflows with Azure AI Search and SQL tools, improving response accuracy and agent behavior.
- Reduced administrative workload by automating 40%+ of common queries and enabling contextual handoffs.

Cloud Automation Tool | In-House Product   Dec 2021 – Jan 2023
JavaScript, .NET, Node.js, Azure, SQL Server, REST APIs, Terraform, App Insights, DevOps
- Developed internal workflow automation tool that streamlined Azure resource provisioning and user onboarding.
- Built dynamic REST APIs and cost dashboards that enabled self-service provisioning and visibility.
- Implemented telemetry and monitoring to track execution and improve alerting.

Service Qualification Dashboard | For a US-based Client   Nov 2020– Oct 2021
Java, Spring Boot, React, SQL, Swagger
- Built a dashboard to validate service availability by geolocation, improving sales cycle efficiency.
- Designed data models, API integrations, and frontend workflows in close collaboration with product owners