

Esvarabala Kannan

Phoenix, AZ | Open to Remote & Relocation | U.S. Citizen

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EXPERIENCE

Software Engineer · Wells Fargo

Chandler, AZ Jul 2024 – Present

- Engineered C#.NET and Java microservices automating statement generation for the nationwide auto loan portfolio — architected for 100K+ statements daily at peak, cutting defects ~20%.
- Designed and maintained Apache Kafka event streaming pipelines powering real-time data flow across the majority of production applications.
- Led AI adoption across the engineering team — delivered internal presentations on integrating AI tools into development workflows, championed GitHub Copilot Agent Mode with MCP-connected tooling as team standard, and established AI-assisted patterns for scaffolding, test generation, and documentation that compressed feature delivery ~50%.
- Migrated legacy batch jobs to Azure (Kubernetes/OpenShift), cutting end-to-end failures ~30%; built CI/CD with Harness and Azure DevOps for zero-downtime deploys across 4+ services.
- Drove a 25% reduction in SQL Server execution times by overhauling critical queries and stored procedures in high-throughput batch workflows.

Software Engineering Intern · Wells Fargo

Chandler, AZ Jun–Aug 2022 & Jun–Aug 2023

- Built a C#.NET automation tool for loan rate sheet validation — cut validation cycle time from ~3 days to under 4 hours (~80% less manual review).
- Delivered full-stack React features across internal banking portals on a microfrontend architecture; expanded CI-integrated Selenium regression coverage ~60%.

PROJECTS

mcp-audit-logger

github.com/esvarmajor

- Built a transparent middleware proxy for the Model Context Protocol (MCP) that forwards tool calls between any MCP client and server while recording a full audit trail — arguments, responses, duration, success/failure — to a local SQLite database.
- Implemented 17 audit tools and 7 observability tools (Prometheus, Tempo/Jaeger, AlertManager) so connected agents can query their own call history and investigate incidents at runtime.

CERTIFICATIONS

Microsoft Azure Fundamentals (AZ-900) · Oracle Certified Associate, Java SE 8

TECHNICAL SKILLS

Languages	C#, Java, Python, TypeScript, JavaScript, SQL, C++
Backend & Streaming	.NET / ASP.NET Core, Spring Boot, Apache Kafka, Microservices, REST APIs
Cloud & DevOps	Azure (AZ-900), Kubernetes, OpenShift, Docker, Harness, Azure DevOps, CI/CD
AI & Tooling	GitHub Copilot Agent Mode, MCP integrations, Claude API, AI workflow design & adoption, Selenium, SpecFlow (BDD)
Databases & Frontend	SQL Server, PostgreSQL, MySQL, MongoDB, SQLite, React (Microfrontend Architecture)

EDUCATION

M.S. Computer Science · Arizona State University · GPA: 4.0

May 2024

B.S. Computer Science · Arizona State University · GPA: 4.0

May 2023