

## SUMMARY

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Senior Software Engineer with 7+ years of experience building scalable distributed systems and AI-powered automation platforms across fintech and SaaS domains. Proven track record of leading teams, designing microservices at scale, and building AI agents that turn weeks of manual work into automated pipelines recognized with 1st Place in Claude Code Challenge and multiple Spotlight awards.

## WORK EXPERIENCE

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### Intuit - Senior Software Engineer

06/2024 - Present

- **Security Remediation Automation:** Designed and built a **7-skill Claude Code plugin** pack orchestrating Jira, GitHub, ACP portal scraping, and Slack via MCP (Model Context Protocol) to auto-remediate security, privacy, and compliance vulnerabilities end-to-end turning multi-hour manual fixes into single-command pipelines.
- **Dependency Vulnerability Resolution:** Automated transitive dependency tracing across Maven, Docker, Python, Node.js, and Go with evidence-based fix generation, local build verification, and cross-fork PR workflows reducing remediation effort by **80%+**.
- **Architecture Modernization:** Redesigned subscription lifecycles using **Temporal and Saga patterns**, migrating monoliths to microservices and cutting SLA by **40%**.
- **Voyager AI Platform:** Architected an AI code-transformation tool that migrated **142 services in 14 days**, completing ~500 hours of manual work in a fraction of the time.
- **Agentic AI Oncall Assistant:** Led 5 engineers to build an AI assistant that reduced developer debugging time by **30%** through automated ticket categorization.
- **RRT Agent:** Developed a natural language AI Agent enabling non-technical teams to independently resolve customer queries, reducing engineering dependency and improving response turnaround.
- **TurboTax SDE Feature:** Spearheaded development for early tax refunds, driving revenue growth while maintaining **99.9% uptime** during peak season.
- **GitHub Transformers:** Built AI-driven automation agents that standardized code quality across repositories, accelerating modernization initiatives and reducing manual review overhead by **50%**.
- **Enterprise Scalability:** Designed and deployed scalable RESTful and GraphQL API solutions for mid-market supporting **10,000+ concurrent users** with sub-100ms latency and high availability.

### PayPal - Backend Engineer - SDE 3

07/2021 - 06/2024

- **Revenue Growth:** Integrated three major payment methods, contributing to a **25% revenue increase** and a **20% reduction** in chargebacks via new fraud algorithms.
- **Performance Engineering:** Optimized database queries and Redis caching to reduce average API response times from **500ms to 150ms**.
- **Integration Framework:** Designed a standardized SDK that cut payment provider integration cycles from **2 weeks down to 3 days**.
- **Quality & CI/CD:** Implemented automated static analysis and code review standards, resulting in a **15% reduction** in post-release bugs.
- **Deployment Safety:** Developed a scalable testing framework supporting **canary deployments** and feature flagging for safe production releases.
- **Leadership:** Mentored new hires through a structured "buddy system," reducing onboarding time by **30%**.

### Zoho CRM - Full Stack Developer - Member Technical Staff

05/2019 - 07/2021

- **Agile Transformation:** Facilitated the transition from Waterfall to Scrum for **20+ developers**, reducing deployment issues by **35%**.

- **PRM Module Development:** Designed CRUD APIs using **Spring Boot** with role-based access control and **90%+ test coverage**.
- **Licensing Framework:** Re-engineered the licensing system to support **50,000+ concurrent checks**, enabling real-time sales analytics and increased upsell performance.
- **HIPAA Compliance:** Partnered with security teams to implement end-to-end encryption and audit logging, meeting critical regulatory requirements for healthcare data.
- **Product Reliability:** Delivered **3 major enhancements** (advanced search, custom fields) and **2 zero-downtime releases** for **100,000+ users**, improving productivity by **40%**.

## SOFTWARE PROJECTS

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- Built my own portfolio <https://gomathy.dev/>
- Built a gaming platform for board game enthusiasts to play with friends online, hosted at: <https://boardgameshive.com/games-home>
- Shared Wallet - Developing expense-splitting and settlement application with modern tech stack (In Progress).
- GPU Fault tolerance in Deep Learning - Implemented fault and delay tolerance mechanisms for deep learning frameworks under GPU constraints.
- AI-Powered Academic Stress Management - Built machine learning solution for student stress analysis and management recommendations.
- Enterprise Management Systems - Developed Library and Supermarket Management systems using Java Swings and AWT.

## ACHIEVEMENTS

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- 1st Place in Claude Code Challenge - Won for building the Jira Security Defects Skill Pack, an AI-powered 7-skill agent automating end-to-end security vulnerability remediation (2026).
- Spot Award for building code transformation tool that helped increase developers productivity (2025).
- Spot Award for being an avid team player and motivating team to work on AI (2025).
- Spot Award for developing 3 bug free initiatives in IES (2025).
- **Zero-Downtime DB Migration** flawless MSE OBill Subs database (2025).
- Participated and won the AI Hackathon (2024).
- Completed 500+ problems related to DSA on Leetcode/GFG.
- Spot Award for being a true team player and customer champion in delivering products to the customers before time with good quality. (2023)
- Spot Award for taking up anything with great enthusiasm, looking at details and making sure everything finished with quality and great follow ups till completion and beyond. (2022)
- Received One Team award twice for being productive in delivering key deliverables on time. (2021)

## SKILLS

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**Languages:** Java, Python, Go

**Backends & Frameworks:** Spring Boot, RESTful APIs, GraphQL, Microservices, Distributed Systems

**Databases:** SQL, NoSQL, Redis

**Messaging & Streaming:** Kafka, Pulsar

**DevOps & Tools:** Git, Docker, CI/CD, AWS (S3, EC2, ECS, Lambda), GCP

**AI & Automation:** LangChain, LangGraph, Agentic AI, Transformation Pipelines, Claude Code, MCP, Playwright

**Architectural Patterns:** Saga, Event-Driven, Temporal Workflows