

Mohammed Nihad K P

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EDUCATION

San Jose State University <i>Master of Science in Software Engineering</i>	San Jose, CA Expected May 2027
• Relevant Coursework: Object-Oriented Design, Enterprise Software Systems, Data Mining, Distributed Systems	

APJ Abdul Kalam Kerala Technological University <i>Bachelor of Technology in Computer Science, GPA: 9.13/10</i>	India June 2022
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TECHNICAL SKILLS

Languages: Java, Go, Python, JavaScript/TypeScript, SQL
Frameworks & Tools: Spring Boot, Kafka, GraphQL, Django, Node.js, React, REST
DevOps: AWS (EKS, RDS, S3), Docker, Kubernetes, CI/CD, GitHub Actions, Jenkins, Grafana, Prometheus
Concepts: Data Structures, Algorithms, Networking, Security, System Design, Distributed Systems, Monitoring
ML: Pinecone, HuggingFace, RAG Pipelines, Prompt Engineering

EXPERIENCE

CaptainFresh (B2B supply chain startup) <i>Software Developer</i>	Mar 2023 – Jul 2025 Bangalore, India
• Built a Golang microservice for cash management, cutting financial discrepancies by 95%	
• Architected an omnichannel e-commerce platform (Go, GraphQL, PostgreSQL, Redis) serving 5+ countries, 100+ stores, and 20+ warehouses	
• Built CI/CD pipelines with ArgoCD and Jenkins , enabling automated rollbacks and deployments	
• Automated cloud migrations to AWS EKS with CI/CD , reducing deployment cycles by 60%	
• Built end-to-end React dashboards for POS and customer modules with responsive, accessible UX design	
Esper (Android DevOps startup) <i>Software Development Engineer 1</i>	Aug 2022 – Feb 2023 Bangalore, India
• Integrated Grafana, Prometheus, and Loki to improve observability and monitoring at scale	
• Engineered Kafka pipelines streaming data from 100K+ devices , cutting incident response time by 40%	
• Developed SQL-driven dashboards , enabling data-backed decisions for fleet and device performance	
Ansys <i>R&D Engineering Intern</i>	Mar 2022 – Jul 2022 Remote
• Refactored legacy C++ modules with multithreading , achieving 24% faster runtime and 20% efficiency gains	
• Resolved 15+ critical production bugs, increasing stability of EDA tools used by global semiconductor clients	
Progress Software <i>Software Engineer Intern</i>	Aug 2021 – Dec 2021 Remote
• Improved SaaS integration by contributing to Autonomous REST Connector Recipes, reducing API integration issues by 35%	
• Authored 50+ Java TestNG test cases, raising automation coverage from 65% to 90% and boosting test reliability	

PROJECTS

Campus Marketplace — Campus-Only E-Commerce Platform <i>Python, Next.js, SQL, Kafka, Power BI</i>	
• Developed campus marketplace with Django REST APIs, integrating Redis, Kafka, and PostgreSQL for scalable e-commerce workflows	
• Implemented AI-powered search and deployed on AWS EC2 with Auto Scaling for high availability	
TalkWithDB — Natural Language Database Query Tool <i>Next.js, HuggingFace, Pinecone</i>	Link
• Engineered an LLM-based tool converting natural language questions into SQL queries for secure database access	
• Focused on seamless UX with advanced prompt engineering and vector database integration	