

# Mohammed Nihad K P

(408) 655 8725 | [mohammednihadkp7@gmail.com](mailto:mohammednihadkp7@gmail.com) | [linkedin.com/in/mohammed-nihad](https://linkedin.com/in/mohammed-nihad) | [Portfolio](#)

## EDUCATION

### San Jose State University

Master of Science in Software Engineering

San Jose, CA

Expected May 2027

- Relevant Coursework: Object-Oriented Design, Enterprise Software Systems, Data Mining, Distributed Systems

### APJ Abdul Kalam Kerala Technological University

Bachelor of Technology in Computer Science, GPA: 9.13/10

India

June 2022

## 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)

Mar 2023 – Jul 2025

Software Developer

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)

Aug 2022 – Feb 2023

Software Development Engineer 1

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

Mar 2022 – Jul 2022

R&D Engineering Intern

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

Aug 2021 – Dec 2021

Software Engineer Intern

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 | *Python, NextJs, SQL, Kafka, Power BI*

- 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 | *Next.js, HuggingFace, Pinecone*

[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**