

Shashikar Anthoni Raj

Boston, MA | (857) 379-4807 | anthoniraj.s@northeastern.edu | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Northeastern University, Boston

Master of Science – Information Systems

May 2025

Assistantships: TA for INFO 6205 – Program Structure & Algorithms

Relevant Coursework: Object-Oriented Design, Advanced Data Structures & Algorithms, Distributed Systems Design, Cloud Computing Architecture, Database Systems

National Institute of Technology, Warangal

Bachelor of Technology – Computer Science Engineering

May 2021

Relevant Coursework: Data Structures, Algorithms, Operating Systems, Computer Networks, Distributed Systems, DBMS

TECHNICAL SKILLS

Backend Development: Java (Spring Boot, Hibernate), Node.js (Express), Python, JUnit, Swagger, Gradle, Maven

Frontend Development: React, Redux, TypeScript, JavaScript

Databases & Storage: PostgreSQL, MySQL, Redis, MongoDB

Cloud Platforms: AWS (EC2, Lambda, API Gateway, SQS, SNS, S3, RDS) and GCP (Compute Engine, Cloud SQL, Cloud Functions, Pub/Sub, Operations Suite)

DevOps & Monitoring: Docker, Kubernetes, Terraform, CI/CD, Kafka, Linux

Certifications: [AWS Solutions Architect - Associate](#)

EXPERIENCE

Ford Motor Company, Chennai

Software Development Engineer, E-commerce - (Java, Spring Boot, Python, MySQL)

Jun 2021 - Jul 2023

- Engineered RESTful APIs with Spring Boot for payment, discount, and delivery integrations in an Agile environment, connecting third-party services with unit and integration tests, improving operational efficiency by 25%
- Automated order-expiry workflows using Python scripts, SQL queries, cron jobs, and event-driven messaging with Kafka, implementing retry logic and alerts that reduced data inaccuracies by 30% and manual interventions by 40%
- Implemented authentication across several microservices using OAuth 2.0 and JWT, reducing auth-related incidents by 40% and improving login success rates
- Orchestrated 200+ SIT/UAT test scenarios using Postman, BackOffice, and Jenkins CI/CD pipelines, reducing production bugs by 25% and achieving a 95% first-pass deployment rate
- Mentored five junior developers through bi-weekly code-review workshops and pair programming to elevate team code-quality scores by 70% and accelerate new-hire ramp time
- Resolved 100+ customer issues through root cause analysis and workflow management in an agile setting, leveraging JIRA for tracking and documentation

Qubicle, Doha, Qatar

Software Engineering Intern - (React, Redux, Node, Express, MongoDB)

May 2020 - Aug 2020

- Architected a responsive event scheduling platform using React, Redux, Node/Express, and MongoDB, enabling responsive UI rendering and real-time data synchronization, resulting in a 30% increase in user engagement
- Conducted code reviews, optimized API efficiency, and provided mentorship in debugging and performance improvements across full-stack development tasks

RELEVANT PROJECTS

AutoScaleLearn: GCP-Backed E-Learning Submission Engine [[Demo](#)] (Spring Boot, GCP, Terraform, CI/CD)

- Developed Spring Boot RESTful APIs, created custom VM machine images, and provisioned GCP infrastructure (VPC, Cloud SQL, IAM roles, Compute Engine, Pub/Sub) via Terraform for automated, repeatable deployments
- Configured autoscaling and HTTPS load balancer with SSL termination, improving reliability and handling traffic surges without downtime during testing
- Automated CI/CD pipelines with GitHub Actions and integrated Google Cloud Operations Suite, enhancing monitoring and accelerating test-cycle feedback with real-time alerts

EventSphere: Geo-Aware Community Marketplace Platform [[Demo](#)] (React, Node, Redux, MongoDB, AWS)

- Built a geo-aware marketplace platform using React with TypeScript, Redux, Node.js, MongoDB implementing zipcode-scoped feeds and listings to surface relevant local activities
- Integrated Mapbox, Stripe, and OpenWeatherMap APIs, and deployed on AWS Elastic Beanstalk with EC2, S3, and API Gateway using CI/CD pipelines enabling location search, payments, and analytics

HealthVault: Patient Data Management System [[Demo](#)] (SQL, PL/SQL, Database Design)

- Designed and optimized a SQL/PL-SQL database with role-based access controls and reporting modules for patient records, improving query latency by 30% and ensuring HIPAA-compliant data handling and privacy controls