

Abhinav Chary Eeranti

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SUMMARY

Entrepreneurial Software Engineer and AI builder with a track record of taking full-stack, revenue-generating products from zero to production. Specialized in architecting scalable GenAI pipelines and microservices (FastAPI, Spring Boot, React). Passionate about leveraging AI tooling to accelerate development, navigating ambiguity with first-principles problem-solving, and delivering intelligent, high-performance solutions for e-commerce and enterprise experiences

EDUCATION

Master of Science in Software Engineering Systems

Northeastern University, Boston, MA

Dec 2025

Bachelor of Science and Technology in Computer Science Engineering

GITAM University, Visakhapatnam, AP

May 2023

SKILLS

Programming Languages:	JAVA, JavaScript, Python, C++, C
Web Technologies:	Spring Boot, Node.js, Express, Fast API, React, Angular, TypeScript, Selenium
Cloud:	AWS Lambda, S3 Buckets, Docker, AWS Fargate
Databases and ORMs:	MySQL, MongoDB, Postgres SQL, NoSQL, Hiberstate, Sequelize, SQLAlchemy
Tools and Ops:	Docker, Git, GitHub Actions, Postman

WORK EXPERIENCE

Founding Software Engineer | GScore IT Solutions - Remote, US

May 2025 - Present

- **Architected production-grade GenAI** pipelines by integrating closed-source and locally trained models, enabling dynamic model routing based on query complexity to optimize inference performance and compute costs.
- **Engineered an event-driven email automation** system for enterprise clients using RabbitMQ, processing ~400 emails daily and reducing manual triage time by 70% through asynchronous workflow management.
- **Architected and scaled foundational backend systems**, dedicating most development efforts to engineering robust FastAPI applications that delivered critical AI services and RESTful APIs for data-intensive executive dashboards and enterprise applications.
- **Owned the full CI/CD lifecycle** via GitHub Actions and AWS CDK, maintaining 99.8% uptime backed by AWS CloudWatch for AI-driven executive dashboards and scaling infrastructure to support data-intensive React/TypeScript applications
- **Accelerated product iteration cycles by 30%** by integrating agentic AI tools (Cursor, Claude) into the development workflow, enabling rapid feature delivery and complex architectural refactoring

Full Stack Developer | Northeastern University - Boston, MA

Jan 2025 – May 2025

- **Spearheaded the end-to-end development of a full-stack web application** using Java, Spring Boot, and React.js, boosting user engagement by 40% through secure backend services and responsive UI design.
- **Designed scalable MySQL schemas via Hibernate ORM** and implemented secure RESTful APIs with CSRF protection and cookie-based authorization, optimizing response times by 30% for 500+ active users.
- **Accelerated deployment cycles by 60%** and achieved 99.9% system availability by migrating infrastructure from on-premises servers to AWS LightSail and establishing automated CI/CD pipelines.

Software Engineer | LTIMindtree - Remote, India

Sep 2021 – Aug 2023

- **Developed robust backend microservices** using Java, Spring Boot, and Hibernate for a financial services client, increasing system throughput by 18% for secure transaction processing.
- **Orchestrated containerized Java services** using Kubernetes and deployed enterprise applications on Microsoft Azure, reducing downtime by 15% and ensuring high availability during peak financial operations.
- **Integrated Kafka messaging queues** for asynchronous inter-service communication, improving data consistency and reliability across distributed financial reporting systems.
- **Optimized complex PostgreSQL databases** utilizing indexing and query tuning strategies, decreasing query execution time by 28% for large-scale analytics datasets.
- **Designed and developed user centric frontend dashboards** using React for financial reporting teams, accelerating operational data accessibility and reducing analysis time for key performance metrics by 22%

PROJECTS

AI Receptionist for Pizza Store - [Github](#)

Architected an **AI-powered voice agent** to autonomously handle phone orders, utilizing **Vapi.ai** and **Google's Gemini model** via a FastAPI backend, while managing real-time session state with Redis and syncing transactions to a Clover POS system.

Photo-First Messaging App [Github](#)

Developed a cross-platform **mobile application** using **React Native and Firebase**, ensuring secure communication through AES-256 end-to-end encryption and achieving sub-3-second message delivery via WebSockets.

Roommate Finder Marketplace [Github](#)

Engineered a **scalable MERN stack** marketplace application, enhancing location-based user matching through **MongoDB** geospatial queries and facilitating real-time communication via Express.js and WebSockets.

Job Application Tracking System: [Github](#)

Built a robust **job application tracking system** leveraging **Java MVC** architecture, enforcing strong separation of concerns and applying advanced **OOP** design patterns to ensure maintainable business logic.