

ARYABHATT NARASIMHA RAO KANKIPATI

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Summary

Full Stack Java Developer with 4+ years of experience designing scalable, distributed systems and data-driven web platforms. Skilled in building cloud-native microservices, API performance optimization, and enterprise automation. Strong in algorithms, OOP, and system design with proven success improving efficiency, scalability, and reliability across multiple projects.

Key Achievements

- Created the OPT Calculator adopted on EIU's official website, simplifying student work authorization planning.
- Earned global recognition for the OPS Tool analytics platform improving KPI visibility and reporting.
- Secured 1st place for the Intelligent Smart City Robot project under Project-Based Learning.

Skills

- Programming Languages: Java, SQL, JavaScript, Python
- Frameworks & Libraries: Spring Boot, ReactJS, Hibernate, Chart.js
- Backend Development: REST APIs, Microservices, Authentication, RBAC, MVC
- Frontend Development: Responsive UI, State Management (React)
- Databases: MySQL, Oracle PL/SQL, MongoDB
- Tools & Platforms: Git, IntelliJ, VS Code, Postman, AWS, Docker, CI/CD
- Development Practices: Agile, Version Control, API Integration, Microservices

Professional Experience

Graduate Assistant, Eastern Illinois University

Sep 2024 - Present

- Developed scalable web platforms to streamline academic operations, enhancing data accessibility and boosting report speed by 50%.
- Optimized database queries, increasing data retrieval efficiency by 65%.
- Built interactive dashboards for real-time departmental reporting and data visualization.

Senior Software Engineer, Capgemini

Oct 2022 - Aug 2024

- Led development of the OPS Tool using Java, Spring Boot, Hibernate, SQL, and Chart.js, improving analysis speed by 60% and reducing manual efforts by 75%.
- Developed and deployed distributed REST APIs for real-time analytics integrated with MySQL backend.
- Automated backend workflows to ensure data accuracy and compliance in banking operations.
- Worked in Agile sprints to deliver full-stack enterprise features and performance improvements.

Senior Software Engineer Intern, Capgemini

Feb 2022 – Oct 2022

- Contributed to full-stack modules for banking and enterprise automation systems.
- Built reusable Java service components, reducing new feature development time by 25%.
- Tuned complex queries and indexes to improve backend application performance.

Full Stack Developer Intern, Spark Foundation

Jul 2021 – Aug 2021

- Built a web-based banking app for account and transaction management using HTML, CSS, and JavaScript.
- Implemented secure transaction flows and improved frontend usability.
- Gained hands-on experience in full-stack development and deployment practices.

Projects

EIU – Official Website Revamp

ReactJS, Spring Boot, MySQL, AWS, Live Chatbot

- Leading the complete redesign of Eastern Illinois University's official website, improving scalability, accessibility, and performance for 10K+ users.
- Developed and integrated a live chatbot to assist students with instant support and real-time information delivery.
- Built responsive ReactJS interfaces connected to secure Spring Boot REST APIs with optimized MySQL workflows.

EduFund – Digital Banking Platform

Spring Boot, ReactJS, Hibernate, MySQL

- Developed a secure full-stack banking platform with separate Customer and Admin modules, JWT-secured login, and OTP-verified transactions.
- Engineered secure account operations with RBAC, automated session control, and protected transaction workflows.
- Built an intuitive user interface offering seamless navigation and real-time transaction feedback.

OPS Tool – Full-Stack Analytics Platform

Java, Spring Boot, Hibernate, SQL, Chart.js

- Engineered a centralized KPI dashboard automating real-time insights.
- Implemented backend services with SQL optimization and caching, achieving 60% faster data retrieval.
- Reduced manual reporting efforts by 75% through backend automation and secure, role-based access control.

TEMBUSU – Banking Project (Backend Automation)

PL/SQL, Oracle DB

- Automated PL/SQL workflows processing over 1 million banking records with high accuracy, reliability, and compliance.
- Built logic to automate maturity date handling for multiple financial products, reducing manual effort.
- Coordinated with finance and operations teams to ensure precise scheduling and regulatory alignment.

Intelligent Robot for Smart City

Python, Raspberry Pi, Teachable Machine, Blynk

- Deployed an ML model for real-time waste detection and autonomous robotic control.
- Integrated IoT via Blynk for remote monitoring and automated operation.

Education

- **MS in Computer Technology**, Eastern Illinois University
- **Electronics and Communication Engineering**, Visvesvaraya Technological University

Certifications

- AWS Cloud Practitioner Essentials
- Java Programming: Solving Problems with Software