

MUKHESH CHANDRA MEKALA

Boston, MA | (857)398-3371 | mukhesh@aogjob.com | [LinkedIn](#) | [GitHub](#) | [Publication](#)

SUMMARY

I am a **dedicated Software Engineer** passionate about building **scalable and high-performance applications**. With expertise in **Java, Spring Boot, React.js, and Node.js**, I specialize in **microservices, RESTful APIs, and cloud deployment**. I enjoy solving complex problems, optimizing performance, and automating workflows to improve **efficiency, security, and reliability**. I thrive in **collaborative, fast-paced environments**, working with Agile teams to deliver impactful solutions. Whether it's designing **secure APIs, deploying cloud-based applications, or enhancing system performance**, I take pride in writing clean, efficient, and maintainable code that drives business success.

EDUCATION

Northeastern University

Master of Science in Information Systems

Boston, MA

May 2025

Relevant Courses: Application Engineering & Development, Web Design & UX Engineering, Program Structures & Algorithms, Object-oriented Design, Data Science

National Institute of Technology

Bachelor of Technology in Electrical Engineering

Silchar, India

May 2022

Relevant Courses: Data Structures & Algorithms, Machine Learning, Introduction to Blockchain

SKILLS

Web Technologies: HTML/HTML5, CSS3, CSS, XML, JavaScript, AJAX, jQuery, JSON

Methodologies: Agile/Scrum, Waterfall

Languages: Java, C++, Python, C, JavaScript, TypeScript

Databases: MongoDB, PostgreSQL, JDBC, MySQL, SQL Loader, SQL Server

Testing: Junit, Jenkins, Travis CI, CircleCI, Selenium, Postman

Frameworks: React.js, Next.js, Express.js, Node.js, Django, Spring Boot, TensorFlow, PyTorch

Development Tools: Visual Studio Code, IntelliJ, Notepad++, Eclipse, Spring Tool Suite, Visual Studio, Postman, SOAP UI

Cloud: AWS, Azure, GCP

Version Control & OS : Windows, Mac and Linux, Git, GitHub, GitLab

PROFESSIONAL EXPERIENCE

JPMorgan Chase | USA

Software Development Engineer | Aug 2024 - Present

- Built **high-performance banking applications** using **Java, Spring Boot, and Hibernate**, making transactions **25% faster** and optimizing database queries for **20% quicker data access**.
- Designed and implemented **RESTful APIs** with **Java and React.js**, improving data retrieval speeds by **30%** while strengthening security with **OAuth 2.0 and JWT**, reducing security risks by **35%**.
- Led the transition to a **microservices architecture** using **Docker and Kubernetes**, enhancing scalability and reliability by **40%**.
- Automated deployment pipelines with **Jenkins and GitLab CI/CD**, slashing deployment times by **50%**.
- Regularly reviewed code, provided feedback, and enforced best practices, resulting in **15% fewer defects**.
- Worked closely with cross-functional teams, ensuring smooth collaboration and delivering projects on time using **Agile methodologies (Scrum & Kanban)**.

Tata Consultancy Services (TCS) | Bangalore, IN

Systems Engineer | May 2022 – Aug 2023

- Developed a **Proof of Concept (PoC)** using **Java, Spring Boot, and Azure**, securing client approval for **enhanced database interactions**.
- Overhauled **Stellantis' retired staff login system**, integrating **Java, Struts, Spring Security, and AJAX**, increasing security and reducing **unauthorized discount claims** by **60%**.
- Enhanced a **dealer web platform** using **Java, JSP, Hibernate, and Spring IOC**, implementing **10+ improvements** that increased efficiency by **25%**.
- Resolved **15+ tickets weekly** in an **Agile** environment using **Spring Boot, JUnit, and Mockito**, ensuring application performance and reliability.
- Led the development of a **critical module**, integrating **Angular and Spring Batch**, streamlining frontend and batch processing.
- Participated in **code reviews, sprint planning, retrospectives, and daily standups**, fostering team collaboration and project success.

Version1 | Bangalore, IN

Software Engineer | Dec 2021 – May 2022

- Developed a **highly scalable microservice** using **Node.js**, deployed on **Google Cloud Platform (GCP)**, allowing the system to handle **1000+ requests per minute** and improving responsiveness by **30%**.
- Debugged and improved the **Tax Harvesting module** with **Java, Spring Boot, and IntelliJ**, resolving **5+ major issues** and boosting operational efficiency by **20%**.
- Built a **Gradle-based framework** to improve test case data quality, integrating it with **REST APIs and MySQL**, leading to a **60% increase** in test accuracy.
- Improved overall system performance by applying **scalable microservices** and **robust debugging strategies**.

PROJECTS

FITVIBE (ReactJS, SASS, NodeJS, ExpressJS, MongoDB) | Northeastern University – Boston, MA | September 2023 - December 2023

- Designed a **responsive, cross-device compatible application** using **ReactJS and SASS**, helping students monitor daily activities such as **nutrition, fitness, rest, and study habits**, increasing user engagement.
- Engineered a **high-performance backend** using **NodeJS and ExpressJS**, optimizing request processing and boosting system reliability by **25%**, improving user experience.

Medical Facility Management System (Java, Java Swing, MySQL) | Northeastern University – Boston, MA | September 2023 - November 2023

- Developed a **Medical Facility Management System** using **Java Swing and MySQL**, enhancing operational efficiency for healthcare institutions.
- Implemented **patient registration, appointment scheduling, billing, and insurance management functionalities**, improving **service delivery** by **30%**.