

MOHAK NAGARAJU

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SUMMARY

Software Engineer with 3+ years of experience in **backend and full-stack development**, specializing in **Java, JavaScript, Spring Boot, and NodeJS**. Proven success in **optimizing system efficiency by 20%** and **enhancing user experience** through agile development practices. Proficient in leveraging **AWS** and managing databases like **MySQL, MongoDB, and PostgreSQL** to deliver scalable, high-performance solutions.

EDUCATION

- **MS in Computer Science** - Stevens Institute of Technology, New Jersey, **May 2023**
- **Bachelor of Engineering in Computer Science** - Visvesvaraya Technological University, India, **May 2020**

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, C++
- **Web Development:** HTML, CSS, XML, RESTful APIs, Spring Boot
- **Database:** MySQL, MongoDB, PostgreSQL, Oracle
- **Frameworks & Libraries:** Spring, Hibernate, NodeJS, ReactJS, Maven
- **Version Control & CI/CD:** Git, Bitbucket, Jenkins, Jira
- **Cloud Platform:** AWS (Amazon Web Services)
- **Testing & Data Formats:** Junit, JMeter, JSON

WORK EXPERIENCE

Full Stack Software Engineer, KeeperAI, Inc, New York

July 2023 - Present

Key Responsibilities:

- Developed and deployed scalable **RESTful APIs** using **Node.js** and **Express** to power personality profiling and team analytics features, **reducing data retrieval time by 25%**.
- Architected modular backend services and implemented **server-side caching** to **optimize data flow**, enhance scalability, and **improve overall system efficiency** for AI driven insights.
- Designed and implemented modular **web pages** using **ReactJS** and **Node.js**, applied **code splitting**, **lazy loading**, and **asset optimization** to boost **system efficiency by 20%** and **reduce load times by 15%**.
- Collaborated with **product managers, designers, and front-end engineers** to deliver **accessible, high-performance** interfaces; conducted code reviews and implemented unit testing to enhance reliability and drive a **10% increase in user engagement**.

Software Engineer, NTT Data Services, Bangalore

January 2021 - December 2021

Key Responsibilities:

- Developed and deployed "**Change Plan**" feature in a leading UK telecom mobile app, **optimizing user journey and reducing plan change complexities**, resulting in a **25% increase in customer satisfaction** and streamlining process for **overseeing high-volume** plan adjustments on a monthly basis
- Revamped the **end-to-end car rental** management system using **Java, Hibernate, and JDBC**, **enhancing operational efficiency by 40%** and **reducing transaction processing time by 25%** through optimized data models and API integration.

INTERNSHIP

Intern, CISCO, Bangalore

June 2019 - August 2019

- Collaborated on a team delivering IoT solutions benefiting over **500 residents** in remote areas through groundbreaking projects, including weather prediction, automated irrigation, and livestock tracking, resulting in a **35% increase** in resource efficiency and enhanced livelihoods
- Simulated configuration for routers and switches through a command line interface, conducting network analysis using **Packet Tracer**, **reducing analysis time by nearly fifty percent**

PROJECTS

Title: AI Resume Analyzer

January 2025 - May 2025

- Pioneered an AI-powered resume analysis tool using **Spring Boot** and **Google Gemini API**, delivering actionable feedback and match scores that **improves resume quality** for job candidates by **30%**.

Title: An Online Movie Database Management System

January 2022 - May 2022

- Designed and implemented a comprehensive movie database in **MongoDB**, utilizing **APIs** to efficiently extract, store, and supervise extensive movie entries, encompassing key details such as title, plot etc.

Title: DriveNow

August 2022 - December 2022

- Led the collaboration in the end-to-end development of web application from brainstorming to creating valid **HTML pages styled with CSS**, involving a team of two
- Utilized **Express and Node.js** to handle server and backend requirements and **JavaScript** for client-side requirements to enhance the functionality of the page
- Combined with **safeguards against basic security attacks** and **creation of accessibility-friendly pages**, user experience nearly doubled.