MOHAK NAGARAJU

Address: Jersey City, NJ-07306

Phone: 551-331-6488 | **Email:** mohaknagaraju23@gmail.com | GitHub | LinkedIn

SUMMARY

Software Engineer with **2+ years** of experience in **full-stack and backend 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 solutions.

EDUCATION

- **MS in Computer Science -** Stevens Institute of Technology, New Jersey, **January 2022 - May 2023**
- **Bachelor of Engineering in Computer Science,** KS School of Engineering and Management, Bangalore, **August 2016 - May 2020**

COURSEWORK

Database Management Systems, Web Programming, Introduction to cloud computing, Distributed Systems and Cloud Computing, Concurrent Programming, Data Management, Deep Learning, Management of AI Technologies, Agile software Development.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, C++
- **Web Development:** HTML, CSS, XML, RESTful APIs, Spring Boot
- **Database: My**SQL, 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:

- Drive the development, expansion, and management of platform features, propelling a **20% increase in system efficiency** by leveraging **JavaScript and ReactJS** for frontend, and **NodeJS** for backend, oversee communication, usability testing, debugging, conduct code reviews and assist in software product launches

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 end-to-end car rental system utilizing **Java**, achieving a remarkable **40% operational efficiency boost**; **redesigned UI/UX** for seamless browsing and rentals, integrated **Hibernate and JDBC** for streamlined data processing, resulting in **25% reduction** in processing time

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**

ACADEMIC PROJECTS

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

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, genre, rating, studio, director, cast, and release date

Title: Student Behavior Analysis **December 2019 - March 2020**

- Created a software to detect whether a student is dozing off, experiencing drowsiness, or engaging in class-related environment by using **Deep Learning and Image Processing**, with two teammates