

# MOULIKA NAGULAVANCHA

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## SKILLS SUMMARY

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- **Languages:** Java, JavaScript (ES5/ES6), Python, C, TypeScript, CSS3, HTML5, JSON
- **Frameworks:** Node.js, Express.js, MongoDB, Postgres, Neo4j, Angular 8+, ReactJS, MySQL, Spring Boot, jQuery
- **Tools:** Git, Postman, AWS, REST APIs, Linux, Docker, Kubernetes, Jira, ELK stack
- **Skills:** Front-end, Agile, Back-end, Unit Testing, Micro-services, SCRUM, Linux

## EXPERIENCE

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### Senior Software Engineer – Global Payments Inc.

Lenexa, Kansas, U.S.A

Full-Time

January 2024 – Present

- Currently working on development of various features and enhancements in the 'Bill+Payment' Project of **Team Touchnet**.

### Graduate Research Assistant - University of Central Missouri

Lee's Summit, Missouri, U.S.A

Part-Time

August 2023 – May 2024

- Assisting Professor Dr Taeghyun Kang in research of **analyzing** the open-source projects are frequently utilized on GitHub.

### Applications Engineer - Oracle

Hyderabad, Telangana, India

Full-Time

March 2021 - December 2022

- Developed various features and enhancements in Connections, Journeys, and Oracle Digital Assistant using Java, OJET, Spectra, and Elastic Search.
- Optimized the legacy code implementations – accelerated the software performance by 20%.
- Implemented the logging and monitoring of the Connections web application service, which significantly **steered** the developer debugging functionality.

### Software Engineer - Innova Solutions (Client: Uber Freight)

Hyderabad, Telangana, India

Full-Time

August 2018 - March 2021

- Re-engineered the existing configuration applications used by the operations from Angular JS to Angular 8.
- Designed, analyzed, customized, and developed the system solutions for Onboarding new customers into the system using design patterns like Singleton, Builder, and State Pattern.
- Segmented, and scoped the unit test cases in the project using JUnit5 which strengthened the overall test coverage by 70%.

## PROJECTS

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- **BookWorm (Front-end, Reactive, APIs):** [\(link\)](#) A web application for browsing and purchasing books online.
- **FileVista – Cloud Based File Storage and Management System :** [\(link\)](#) An end-to-end web application project with a focus on developing a user interface leveraging the cloud infrastructure using **HTML, JavaScript, Express, Node JS, AWS S3, RDS, Cloud Watch, Cloud Trail, Lambda, Event Bridge, Simple Notification Service (SNS)**.
- **Mastering Microservices (Cloud Native Systems, Back-end, REST APIs) :** [\(link\)](#) A Comprehensive structure on developing Microservices using **Spring Boot, Netflix OSS (Zuul, Eureka, Ribbon, Hystrix)** and deploy using **Docker, Kubernetes** for **CI/CD**.
- **UCM Blogger – Blogging Management System:** [\(link\)](#) A web-based application designed to help users find solutions to their questions and doubts. This project is like the stack-overflow platform developed using **MongoDB, Express, React JS, Node JS**.

## EDUCATION

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### University of Central Missouri (UCM), Missouri Innovation Campus

Lee's Summit, Missouri, U.S.A

Masters in Science - Computer Science (MSCS) - (Grade: **CGPA 4**)

January 2023 – May 2024

### Jawaharlal Nehru Technological University, Hyderabad, Jagtial Campus

Karimnagar, Telangana, India

Bachelor of Technology - Computer Science and Engineering (Grade: **CGPA 4**)

August 2014 – April 2018

## ACHIEVEMENTS AND AWARDS

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- **Certificate of Academic Excellence** in Undergraduate for the academic year 2014 - 2018.
- Third place in the **Transplace (now Uber Freight) Elevator Pitch Contest 2020** in the innovation category.
- **Woman Achievers Award** for the year 2020 at Innova Solutions.