

MUSQUAN KAROVALIA

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SUMMARY

Motivated master's graduate in Computer Science with over 3 years of software engineering experience, specializing in Java, JavaScript, and Python. Proven ability to develop and optimize scalable web applications with a focus on best coding practices, code reviews, and collaboration in agile teams. Skilled in modern web technologies and cloud platforms like Docker and Google Cloud. Demonstrated ability to explain complex concepts, solve customer challenges, and build high-performing, user friendly interfaces. Seeking to leverage technical expertise and teamwork in a dynamic software engineering role.

TECHNICAL SKILLS

Languages:	Java, JavaScript, Typescript, Python, C++
Technologies:	HTML5, CSS3, ReactJS, AngularJS, Spring Boot
Tools:	Git, GitHub, Docker, Google Cloud Platform, AWS, Maven, Eclipse, IntelliJ, VS Code, Gradle
Frameworks & Libraries:	Node.js, Express.js, Next.js, Bootstrap, Selenium
Databases:	MySQL, PostgreSQL, MongoDB, SAP HANA

PROFESSIONAL EXPERIENCE

Teaching Assistant University of Texas at San Antonio	Aug 2022 – May 2024
<ul style="list-style-type: none">Assisted students with hands-on coding projects in Java, Python, and web development, enhancing their understanding of software development principles.Developed and maintained tools and scripts to automate grading processes and tutorial content delivery, improving efficiency by 20%.Guided students through the development of algorithms and data structures (DSA), helping them implement efficient and optimized code in various languages.Facilitated group coding projects, emphasizing full-stack development, object-oriented programming (OOP), and version control with Git.Supported students in debugging and troubleshooting their projects, sharing best practices for software development in a collaborative, agile environment.	

Software Engineer Larsen & Toubro Infotech Ltd, Mumbai, India	Sept 2019 – Jul 2022
<ul style="list-style-type: none">Collaborated with cross-functional teams to conceive and design innovative software solutions, enhancing product functionality and user experience.Developed and optimized scalable applications in a distributed computing environment, improving system performance by 50% and reducing runtime for key reports.Created and implemented algorithms for data processing, ensuring efficient data management and timely delivery of information.Designed and built RESTful APIs to facilitate seamless communication between front-end and back-end systems, supporting multi-tiered architectures.Engaged in agile development practices, participating in sprint planning and retrospectives to deliver high-quality software on time.Led code reviews, ensuring code quality and providing feedback to optimize the team's output and maintain production system safety.Troubleshoot and analyzed production issues, delivering innovative solutions to enhance system reliability and reduce downtime.	

PROJECTS

Rental Property Management System
<ul style="list-style-type: none">Designed and developed a Docker-based environment for seamless integration of PostgreSQL and Express.js.Created RESTful APIs with JavaScript for key features such as property filters and listing management, ensuring scalability and maintainability.Managed version control and collaborative work on a large codebase using Git.

E-commerce Website Development
<ul style="list-style-type: none">Developed responsive UI components using React, HTML5, and CSS3, ensuring accessibility and cross-browser compatibility.Implemented RESTful APIs with Node.js and Express.js to manage data flow between the frontend and backend, enhancing application scalability.Managed MongoDB operations for efficient data handling, including features such as sorting, filtering, and pagination.

EDUCATION

Master of Science in Computer Science University of Texas at San Antonio GPA: 3.73 /4.00	Aug 2022 – May 2024
Bachelor of Engineering in Computer Engineering University of Mumbai, India GPA: 3.61 / 4.00	Jul 2015 – May 2019