

GOUTHAM RAVICHANDRAN

(737)-336-4913 | gouthamravichandran3@gmail.com | Albany, NY(Open to Relocation)

SKILLS

METHODOLOGIES: SDLC, Agile (Kanban, Scrum), Waterfall

Certification: AWS Cloud Practitioner, Developer Associate

Programming Language/IDE: Core Java, Java 8/17, Python, IntelliJ IDEA, Eclipse, Visual Studio Code

Frameworks/Libraries: Spring MVC, Hibernate, Spring Boot, Microservices, Spring Security, Struts, React JS, Vue.js, Node JS, Maven, Gradle, Jenkins, Git, GitHub, Jira, Splunk, Selenium, JUnit, Cloudwatch, Linux scripting, Web Services

Web/J2EE: HTML, CSS, JavaScript, ES6, Bootstrap, jQuery, Ajax, JSON, TypeScript, Thymeleaf, XML, Kafka, Servlets, JSP, JDBC

Databases: MySQL, PostgreSQL, Oracle DB, NoSQL, AWS S3, Cassandra, MongoDB, PL/SQL

Others: AWS Lambda, EC2, ELB, EKS

Soft Skills: Leadership, Team Collaboration, Quality assurance, Problem-solving

AWARDS: Outstanding New Resource and Delivery Excellence Award, Wipro Technologies

PROFESSIONAL EXPERIENCE

NY STATE EDUCATION DEPARTMENT

Albany, NY

Java Software Engineer II

September 2023 to June 2024

- Involve in Requirements gathering, analysis, design, development, testing, and Maintenance phases with Agile.
- Implement the application using Spring MVC Framework, Spring Batch, and Spring Boot and handle the security using Spring Security.
- Designed and developed the UI of a website using React JS, Node JS, HTML5, CSS3, JavaScript, AJAX, and JSON.
- Use Bootstrap for responsive design, allowing users to access it from any device.
- Deploy applications on AWS, configuring and managing cloud resources to ensure availability and scalability.
- Developed interactive and responsive user interfaces using React.js and Redux for state management, enhancing user experience.
- Effectively designed and implemented relational databases using MySQL, ensuring data integrity and efficient query performance.
- Elevated website performance by optimizing code leveraging insights from Splunk and Heap dumps, achieving a 30% reduction in page load times through code rewrites and enhanced data handling.
- Pioneered automated reporting processes with a Java microservice, reducing report generation time by 15 hours weekly and transforming chart functionalities to improve data representation by 84%, subsequently increasing user engagement by 70%.
- Led code reviews with Team lead to ensure adherence to best practices, fostering a culture of quality and accountability.

Binghamton University

Binghamton, NY

Software Developer

May 2022 to September 2023

- Developed an internal website with Java, Spring Boot and Thymeleaf which is used by Staff to raise install or maintenance requests, reducing processing time by 35%.
- Assisted in the migration of 1.26 million staff records to a MySQL database using SQL scripts, enhancing accessibility and efficiency by 75%.
- Developed Tableau visualizations that delivered critical insights, streamlining decision-making processes and significantly reducing the time required for decisions.

THE RAYMOND CORPORATION

Greene, NY

Software Engineer Internship

February 2023 to May 2023

- Developed a Swing-based GUI to replace crash detection sensors used in forklifts, improving testing efficiency by 60% and ensuring compliance with standards.
- Configured SocketCAN on my Linux system to establish a CAN interface for reading CAN messages. Used PCAN device to read the incoming data from the actual sensor.
- Optimize the Java application to reduce latency to 15-25 ms, achieving 40% faster outcomes.
- Engage in weekly Agile team meetings using Kanban and GitHub for progress tracking, ensuring timely project completion.

WIPRO TECHNOLOGIES

Chennai, India

Senior Software Engineer

February 2018 to August 2021

- Collaborated with cross-functional teams to gather requirements, design, and implement robust software solutions for Lloyds Banking Group, leveraging Angular and Material UI to create visually appealing and user-friendly interfaces.
- Involved in all phases of the Software Development Life Cycle (SDLC), including requirements gathering, design, development, testing, deployment, and maintenance.
- Conducted thorough testing of API components and services, utilizing tools like Postman, and Appium for mobile app testing to ensure high-quality and bug-free code.
- Implemented dynamic web application functionality using Java Spring Boot, Angular, and Material UI, focusing on enhancing user experience and interactivity.
- Developed comprehensive unit tests using JUnit and Selenium testing frameworks, ensuring the functionality and integrity of individual components and modules within the Java Spring Boot ecosystem.
- Utilized Git for efficient version control and collaborated with team members using GitHub, enabling concurrent access to project files and facilitating streamlined code collaboration.

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- Established continuous integration and deployment (CI/CD) pipelines, leveraging tools like Jenkins to automate the build, test, and deployment procedures.
 - Mentored junior developers, guiding them through best practices in coding, automated testing, and Agile methodologies, and fostering a collaborative team environment.

EDUCATION AND HONORS

Binghamton University, SUNY - Master's in Computer Science August 2021 to May 2023

Relevant Coursework: Design and Analysis of Algorithms (**Published Paper:** <https://hcommons.org/deposits/item/hc:46163>), Machine Learning, Computer Architecture, Operating Systems, Data Science Pipeline, Design Patterns and Database Systems.

Anand Institute of Higher Technology (Affiliated to Anna University) - Chennai, India August 2013 to May 2017
Bachelor's in Electronics and Communication Engineering

PROJECTS

Data Analysis Capstone Project ([GitHub](#)) March 2022 to May 2022

- Examined large datasets using Microsoft Excel, SQL, and R to solve the bike problem and visualize the solution.
- Transformed and mapped data from cleaned datasets into actionable insights, presenting them in a decipherable format.

Social Media Data Collector September 2022 to December 2022

- Engineered a data collection program to extract tweets, Reddit posts, and 4Chan discussions about the midterm election.
 - Performed topic and sentiment analysis to uncover unique factors that shaped the election.
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