

Jay Ramani

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TECHNICAL SKILLS

Languages	: Java, C++, JavaScript, HTML5, CSS, SQL
Frameworks & Library	: Spring Boot, Hibernate (JPA), Mockito, JUnit5, TestNG, ReactJS, Node.js, Redux, ExpressJS
Databases	: MySQL, MongoDB, DynamoDB, PostgreSQL, Firebase
Tools & Technologies	: Maven, Git/GitLab, Amazon Web Services, Docker, Gerrit, Jira, Talend, VS Code, IntelliJ
Concepts	: RESTful APIs, Stored procedure, Test Driven Development (TDD), Microservices, Agile Methodology, SDLC, CI/CD Pipeline, Design Patterns, SOLID Principles, Git Flow, Object Oriented Programming
Certifications	: AWS Cloud Practitioner Certified, AWS Architect for real world

PROFESSIONAL EXPERIENCE

Software Developer Intern BlackBerry, Waterloo	Sep 2023 - Apr 2024
<ul style="list-style-type: none">Contributed to the development of Java-based microservices, developed Rest APIs in Spring framework.Implemented unit test cases using JUnit and Mockito aiming to reduce reported bug and improve overall reliability.Designed front-end components for UEM using JSP. Worked with PostgreSQL by using Hibernate to handle CRUD operations.Debugged code for troubleshooting the defects to prevent security breaches. Created helper classes to reduce redundancy.Collaborated with the DevOps team to build scripts and incorporate Jenkins to automate the deployment tasks.	
Software Development Engineer Wipro Technologies, Mumbai	Feb 2022 - Aug 2022
<ul style="list-style-type: none">Optimized the back-end services of Banking software by refactoring the existing implementation and database queries, resulting in a 20% improvement in response time.Worked with the team to re-design the MySQL database and develop REST APIs utilizing Spring Boot and Hibernate.Ensured quality of refactored code by applying design patterns and maintaining coding standards using SONAR.Enhanced development efficiency by designing reusable UI components. Utilized tools such as Maven, GitLab, Jira, and SSMS.	
Web Developer AI Vedam, Delhi	Jun 2021 - Dec 2021
<ul style="list-style-type: none">Designed responsive and user-friendly web pages using ReactJS ensuring optimal user experience and accessibility.Used Redux to efficiently manage and centralize application state, also synchronized data with NoSQL MongoDB database.Developed backend web services using Node.js and Express, adhering to clean code principles.Resolved challenge of managing unstructured data by transforming database architecture from MySQL to MongoDB.Utilized React features such as components, state, props, hooks, and context API to create modular codebases.	

GRADUATE PROJECTS

Foodverse Java, Spring Boot, MySQL, JUnit 5, CI/CD, Git, SOLID 	Sep 2022 - Dec 2022
<ul style="list-style-type: none">Developed an online food ordering application with seamless order management and delivery tracking features.Followed Agile methodology and used Test Driven Development approach by executing unit tests using JUnit 5.Applied Decorator, Factory design patterns, and SOLID principles to improve code quality and maintainability.Modeled SQL database and used MySQL for Database Management System.Implemented a CI/CD pipeline to accelerate software delivery, and used JIRA and Git to track project progress.	
TripEase ReactJS, Node.js, MongoDB, ExpressJS, Redux 	Jan 2023 - Apr 2023
<ul style="list-style-type: none">Developed a responsive application using React that lets users plan a trip, upload photos, and keep track of expenses.Implemented backend by developing RESTful APIs using ExpressJS that interact with MongoDB and provide JSON response.Integrated Stripe Payment Gateway for payment processing and SendGrid Email API for user communication.Optimized performance by device-based image optimization techniques, resulting in faster load times by 30%.	
StaySpot AWS, AWS CloudFormation, AWS lambda, ReactJS, Node.js 	Jan 2023 - Apr 2023
<ul style="list-style-type: none">Developed an accommodation booking platform using React and Node and integrating various AWS services.Deployed an application to Amazon EC2 using AWS Cloud Formation, resulting in 40% performance and scalability.Configured AWS serverless environment with Lambda functions, API Gateway and SQS for email notification.Implemented Amazon VPC to ensure confidentiality, integrity, and isolation of the application's network environment.	

EDUCATION

Master of Applied Computer Science	Sep 2022 - Apr 2024
Dalhousie University, Halifax, NS	CGPA: 4.0/4.3
BE in Information Technology	Aug 2017 - Jul 2021
Gujarat Technological University, Ahmedabad, Gujarat	CGPA: 9.87/10