

SRINIVASA RAMANI RAVIPATI

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TECHNICAL SKILLS

- **Languages:** Python, Java, C, C++, Bash, SQL, JavaScript.
- **Web Technologies :** HTML5, CSS3, Bootstrap, React.js, React Native, Angular, Node.js , Express, Django, Flask, Spring Boot, Hibernate, JSON, MySQL, PostgreSQL, MongoDB, Rest APIs, GraphQL, Firebase.
- **Tools:** Git, Linux, Shell Scripting, RabbitMQ, Kafka, Splunk, Docker, Kubernetes, Jira, Jenkins, AWS, Azure.
- **Technologies:** Agile, Front-end, Back-end, Unit testing, API Development, Microservices, CI/CD, SCRUM, DevOps, Object Oriented Programming.
- **Coursework :** Design Patterns, Operating Systems, Design and Analysis of Algorithms, Database Systems, Data Mining, Social Media Data Science Pipeline, Machine Learning.

PROFESSIONAL EXPERIENCE

Micron Technology | Contracted by Conrelv Solutions Inc.

Remote, USA

Full Stack Developer, Warehouse Modernization

August 2023 - Present

- Developed: a user-friendly JavaScript and React frontend UI, increasing executive access to reports and data by 100%, and a mobile app using React Native, meeting mobile-specific requirements.
- Designed and developed a scalable Java-based REST API using Spring Boot, integrating with SAP systems for real-time data exchange and featuring 15 middleware REST API endpoints for exponential functionality and scalability.
- Implemented the authentication and authorization via OAuth 2.0, Active Directory, and LDAP, and ensured efficient multi-tenancy handling and data isolation using a tenant ID Interceptor and Rest Template, while also implementing optimized business logic.
- Deployed: the application and APIs in Azure DevOps, utilizing Azure Pipelines for continuous integration and continuous deployment (CI/CD), ensuring automated testing, security, and compliance, and improving overall system performance and reliability by 25%.

Conrelv Solutions Inc | Full-Time

Hyderabad, India

Software Engineer, Warehouse Modernization

April 2020 – July 2021

- Engineered a scalable ecommerce platform with Java 11, Spring Boot, and REST API, enhanced system performance by 17% and boosted revenue through optimized transaction processing.
- Developed: a high-performance order management system with order status tracking, utilizing Spring Boot's workflow management features and JPA/Jakarta Persistence API for seamless order fulfillment.
- Deployed and integrated a multi-staged CI/CD pipeline with automated version locking and rollback mechanisms, streamlining deployment by 50% and reducing errors by 30% using Docker containers and AWS Elastic Beanstalk.

IBM | Full-Time

Hyderabad, India

Application Developer, FinTech Applications

July 2016 – March 2020

- **Architected** a robust banking platform incorporating React.js, Spring Boot, Redux, and Java, implementing RESTful APIs and authentication mechanisms, enhancing system scalability and reducing transaction errors by 25%.
- **Optimized:** application performance by analyzing and fine-tuning SQL queries and automated data processing tasks using Unix shell scripts. Ensured timely resolution of issues using ServiceNow and leveraged testing tools like Junit.
- **Deployed:** the application on Apache Tomcat, ensuring scalability and reliability in production environments. Integrated with mainframes and other systems, resulting in a projected annual revenue increase.

PROJECT EXPERIENCE

Understanding Netflix User Behavior: A Conjoint Analysis Study

April 2023

- Conducted statistical modeling and data visualization using Python to optimize feature development for Netflix, increasing user engagement by 25% .

Pathfinding Algorithms Visualizer

May 2022

- Created an engaging maze game utilizing React and JavaScript, implementing BFS and DFS algorithms; elevated user satisfaction scores by 10X times.

Image Classification on Edges

December 2021

- Leveraged Convolutional Neural Networks (CNNs) in Python to achieve 99% accuracy in detecting edges in images.

EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science

Master of Science in Computer Science

May 2023

Jawaharlal Nehru Technological University Kakinada, India