

Pravigna Pala

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Professional Summary

- Proficient Full Stack Developer with experience in building scalable web applications and distributed systems.
 - Strong understanding of microservices architecture, RESTful API design, and agile methodologies.
 - Skilled in both front-end and back-end development, leveraging frameworks like React and JavaScript for user interfaces and Java for robust server-side applications.
 - Experience with Ruby, Java/JRuby, and database integration for comprehensive application development.
 - Knowledgeable in debugging, optimizing, and maintaining high-performance applications with unit and integration testing.
 - Collaborative team player experienced in cross-functional communication and remote team environments.
 - Passionate about continuous learning and adopting new tools, languages, and development philosophies.
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Technical Skills

Programming Languages: Java, Ruby, JavaScript, TypeScript

Frameworks & Libraries: React, Angular, JRuby

APIs: RESTful API design and integration

Databases: MongoDB, MySQL

DevOps Tools: Jenkins, Docker, Kubernetes

Version Control: GitHub

Web Technologies: HTML/CSS, JavaScript

Testing Frameworks: Selenium, JUnit, PyTest

Education

Master of Science in Computer Science

University of Missouri – Kansas City | GPA: 3.8/4.0 | Aug 2023 – Dec 2024

Relevant Coursework: Distributed Systems, Cloud Computing, Machine Learning, Advanced Algorithms

Integrated M.Tech in Software Engineering

Vellore Institute of Technology | GPA: 3.6/4.0 | Jul 2018 – Jul 2023

Professional Experience

Graduate Assistant

University of Missouri – Kansas City | Aug 2023 – Dec 2024

- Supported the design and evaluation of distributed systems and data structures, focusing on scalability and performance.
- Assisted in debugging and optimizing student projects, fostering best practices in application design and implementation.
- Conducted workshops on API integration, unit testing, and agile methodologies.

Software Developer Intern

VComply Technologies | Aug 2022 – Jul 2023

- Built scalable web applications using Java, Ruby, and React, ensuring seamless integration with RESTful APIs.
- Designed modular, reusable front-end components to enhance development speed and maintain consistency.
- Optimized backend performance with database indexing and query refinements, reducing latency by 25%.
- Collaborated with designers and engineers to deliver user-friendly interfaces and robust back-end solutions.

Industrial Intern

NICO Info Systems | Apr 2021 – May 2021

- Contributed to the development of a recommendation system leveraging Python and machine learning models.
- Implemented data pipelines for real-time data analysis, improving system accuracy by 15%.
- Conducted extensive unit testing to ensure system reliability and accuracy.

Key Projects

Scalable Web Application Development

Technologies: React, Java, Ruby, RESTful APIs

- Designed and implemented a distributed web application to handle high user traffic with optimal performance.
- Built and integrated RESTful APIs for seamless communication between front-end and back-end systems.
- Ensured code quality through comprehensive unit and integration testing.

E-commerce Microservices Platform

Technologies: Java, Kubernetes, Docker

- Developed microservices for order processing, inventory management, and user authentication.
- Leveraged Docker and Kubernetes for containerized deployments, ensuring scalability and reliability.

Real-Time Collaboration Tool

Technologies: React, JavaScript, Node.js

- Built a collaboration tool with real-time updates and notifications using WebSockets.
- Enhanced user experience with an intuitive front-end design and robust back-end support.

Certifications

- **Object-Oriented Programming in Java** – University of California San Diego (Coursera)
- **Web Design: Wireframes to Prototypes** – California Institute of the Arts (Coursera)
- **Software Architecture** – University of Alberta (Coursera)
- **Database Management Essentials** – University of Colorado System (Coursera)
- **Access Controls** – ISC2 (Coursera)