**RAKESH CHOWDARY PEDAVALLI**

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**PROFESSINAL SUMMARY**

IT professional with 3 years of experience in software development, analysis, and implementation using Java, J2EE, React, JavaScript, and cloud technologies. Proven expertise in designing and maintaining scalable systems, leading projects, and delivering innovative solutions. Skilled in full-stack development, microservices architecture, and cloud platforms like AWS and GCP. Strong problem-solving, leadership, and technical skills with a track record of improving system performance and operational efficiency.

**TECHNICAL SKILLS**

**Languages:** Java, JavaScript, C, Python. **Web Technologies:** HTML, CSS, Bootstrap, React.js, Node.js, MVC Framework. **Databases**: MySQL, PostgreSQL, MongoDB. **Tools**: VS Code, IntelliJ IDEA, Tableau, Power BI, R Studio, Postman. **Platforms:** AWS, Azure, Linux, Windows, Mac, iOS. **Dev-Ops**: Git, Maven, CI/CD, Jenkins, Terraform. **Testing Tools:** JUnit, Postman, SonarQube, Splunk, Dynatrace

**PROFESSIONAL EXPERIENCE**

**Backend Services Engineer - Fifth Third Bank - Cincinnati - Feb 2024 – Present**

* Designed and maintained a gateway application to redirect user requests to Backend-for-Frontend (BFF) services using JavaScript, Nodejs, Express, and AWS, ensuring 99.9% uptime.
* Built a service to fetch data from on-premises systems for BFF requests, optimizing response times by 30% through efficient API design and caching mechanisms using Java, Spring boot, OpenShift and Kubernetes.
* Designed and implemented a tokenization service to secure PII data, ensuring compliance with banking regulations and enhancing data privacy for over 1 million users.
* Created a service to convert account numbers into cloud-compatible tokenized formats, storing them securely in databases and improving data interoperability across hybrid environments.
* Utilized Terraform to provision and manage AWS resources, including EC2, S3, and ECS, enabling scalable and cost-effective infrastructure for banking applications.
* Integrated tools like LaunchDarkly for feature flag management, SonarQube and Checkmarx for code quality and security, and Splunk and Dynatrace for real-time monitoring and troubleshooting, reducing production incidents by 20%.

**Full Stack Developer – CVS Health Corporation - Dallas, Tx June 2023 – Feb 2024**

* Developed and maintained a billing POS application using React for the front end and Java with Spring Boot for backend services, ensuring seamless integration and high performance.
* Implemented PCI-DSS-compliant payment gateways, reducing security vulnerabilities by 40%.

**Software Developer - University of Cincinnati - Cincinnati, OH Jul 2022- Dec2022**

* Contributed to the development of TeamEval, a Learning Management System (LMS) enabling assignment submissions, grade viewing, and interactive discussions.
* Developed a user-friendly dashboard and notification alert features using React and JavaScript, enhancing user engagement and experience.

**Software Developer - Novier Technologies - Mumbai, India Sep 2020 - Aug 2021**

* Build services and actions using Java, Spring Boot, JPA to process the data from the database. Design and development of core functionalities in GPS and RFID tracking applications using Java, J2EE, Spring, and Hibernate.
* Build supply chain dashboard for providing vehicle tracking status and ETAs using JSP, Spring MVC, Hibernate, jQuery, Ajax.

**ACADEMIC PROJECTS**

* Voice Assistant - Developed a voice assistant using Flutter and Dart, integrating DALL-E API to achieve 95% accuracy in voice-to-text conversion.
* My Portfolio - Integrated Weather App, Todo List App, Calculator App in the portfolio deployed using netlify deployment application.

**ACHIEVEMENTS**

**Certifications**: Software Engineering Virtual Experience- JPMorgan Chase & Co., JavaScript Algo & DSA- Freecodecamp, Java programming by NPTEL IIT Kharagpur, Problem-solving through programming in C by NPTEL IIT Kharagpur

**EDUCATION**

Master of Science - Information Technology - University of Cincinnati

Bachelor of Technology – Electrical and Electronics Engineering - KKR and KSR Institute of Technology and Science