BHANU PRAVALLIKA POTHURU

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SUMMARY

Experienced Full Stack Developer with **5+** years specializing in Java, Spring Boot, Angular, and AWS, adept at designing scalable software architectures and optimizing application performance. Skilled in SQL programming and Oracle database management using Java Persistence API (JPA) and Hibernate. Hold a master's degree in computer science and bring 2 years of program management expertise, ensuring efficient project delivery and team leadership.

TECHNICAL SKILLS

Languages & Web Technologies: Java,C, Angular, JavaScript, Typescript, HTML5, CSS3, Bootstrap, SQL
Databases: Oracle, MySQL, MongoDB, Postgres
Tools, Libraries & Frameworks: Spring, Spring Boot,Spring ORM, Spring Security, AngularJS, Git, Maven
Cloud Technologies: Microsoft Azure, AWS (EC2, S3, Lambda), Google Cloud Platform, Docker,JBoss

PROFESSIONAL EXPERIENCE

NYS Office of Information Technology Services, Albany: Information Technology Specialist2 - Programming
Jun 2024 – Present
- Led the creation of robust backend services using **Spring Boot**, improving application performance and scalability.
- Established comprehensive security measures using Spring Security to protect applications from vulnerabilities and unauthorized access, reducing security incidents by 40%.
- Oversaw the deployment and configuration of applications on **JBoss**, ensuring reliable and efficient application server performance.
- Produced and utilized **RESTful services** for seamless integration and communication between various systems, increasing data exchange efficiency by 20%.
- Incorporated SSO solutions using **SAML** and **Okta**, streamlining authentication processes across multiple systems and reducing login-related support tickets by 60%.

Health Research Incorporated, Albany, NY: Software Engineering Intern   Jan 2024 – June 2024
- Digitized **ICAR** (Infection Control Assessment and Response) forms using **Angular**, eliminating the manual effort.
- Enriched UI/UX, contributing to a 20% increase in user satisfaction and engagement.
- Developed data services in Angular for retrieving and storing critical information, leading to a 25% boost in data access speed.
- Designed and integrated 15+ new components, elevating application modularity and scalability.
- Incorporated **Angular routing module**, streamlining navigation and enhancing user experience by 25%.
- Applied **Angular Material Design**, enhancing visual appeal and usability, resulting in a 15% reduction in user errors.
- Optimized Frontend Performance through lazy loading and code splitting techniques, achieving a 30% improvement in initial load times and a 20% reduction in overall page size.

Informatica, Hyderabad, India: Software Engineer   Aug 2020 – Jul 2022
- Built microservices using Spring Boot and deployed them on **Amazon EC2** Container Services via the AWS Admin Console.
- Documented RESTful services using **Swagger**, enhancing API clarity and reducing onboarding time for new developers by 30%.
- Utilized **Kubernetes** for deploying containerized applications, achieving 99.9% uptime and automating replication and rolling updates.
- Implemented logging and error tracing using **Log4j**, decreasing error resolution time by 50% through efficient log management and troubleshooting.
- Used **Gradle** as the build tool for our application, streamlining the build process and dependency management.
- Maintained version control with **Perforce** and automated CI/CD pipelines using Jenkins, increasing deployment frequency by 50% and reducing manual errors.

- Configured DispatcherServlet for processing requests and responses, and utilized ViewResolver to map web pages, improving request processing efficiency by 20
- Handled Java multithreading in back-end components, with individual threads serving each user for efficient processing.
- Performed **JUnit testing**, debugging, and bug fixing, improving code quality and reducing bugs in production by 35%.
- Injected necessary dependencies by configuring the pom.xml file, ensuring seamless integration and functionality.

Informatica, Hyderabad, India: DevOps Engineer   Aug 2019 – Jul 2020
- Streamlined **Jenkins Pipeline** configuration for projects including Data Archive, Informatica Data Vault, and Accelerators (Peoplesoft, Mongo, Healthcare), leading to a 20% increase in build efficiency.
- Conducted research and implemented automatic **Jenkins** Job creation for every release (Main release, Hotfix, Emergency Bug fix), resulting in a 30% reduction in manual effort.
- Set up 20+ Nodes of Linux and Windows flavors in Jenkins, enhancing parallel build capabilities by 40%.
- Enhanced existing installers for the mentioned projects through **Install Anywhere**, leading to a 25% reduction in installation time.

TechMahindra, Hyderabad, India: Jr. Software Intern/Trainee   Mar 2018 – Sep 2018
- Used JavaScript with **Ajax, JSON, and XML** to make dynamic web pages with pop-up dialogs for user input.
- Made sure user inputs were correct before sending to the server.
- Employed libraries like EXT JS, Backbone JS, and Require JS for better web performance.
- Used **JavaScript** tools to automate setting up and testing new features, ensuring smooth operations.
- Collaborated with outside vendors to integrate their tools into our system for better functionality.

ACADEMIC PROJECTS

Health Care Management System
- Designed a patient-centric healthcare platform using Java, the Spring framework, and Maven, improving access and efficiency in healthcare services.
- Implemented advanced appointment scheduling based on disease severity, resulting in a 40% reduction in patient wait times and improving overall healthcare delivery.
- Enabled seamless online medicine ordering from registered pharmacies, ensuring timely access to prescribed medications and enhancing patient convenience.
- Optimized collaboration and workflow management among healthcare stakeholders through a user-friendly multi-role platform, leading to a 30% increase in system efficiency and a 50% boost in user satisfaction.

EDUCATION

Master's in Computer Science   Aug 2022 - May 2024
University at Albany, Albany, NY   **3.72 GPA**
Bachelor of Technology in Computer Science and Engineering   June 2016 - June 2020
KL University, Vijayawada, India   **9.72 GPA**

CERTIFICATIONS

Oracle Certified Java Associate SE-8   March 2019
AWS Certified Developer – Associate.   Jan 2024