Bhanu Cheryala

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PROFESSIONAL SUMMARY

- Over 2 plus years of IT experience encompassing the full software development lifecycle, from requirements gathering to deployment, across diverse domains including **Banking**, **Finance**, and **Health**.
- Proficient in **Agile (SCRUM)**, **Test Driven Development**, and **Waterfall methodologies**, adapting to varied project requirements and timelines.
- Skilled in Java/J2EE technologies with expertise in **Servlets**, **JSP**, **EJB**, **JDBC**, and **Java Beans**, ensuring robust and scalable solutions.
- Extensive hands-on experience in frameworks like **Struts**, **Spring**, and **Hibernate**, employing design patterns effectively for scalable and maintainable architectures.
- Strong proficiency in front-end technologies including **HTML**, **CSS**, **JavaScript**, **jQuery**, **ReactJS**, and frameworks like Prime Faces for building dynamic user interfaces.
- Expertise in database systems such as **Oracle**, **DB2**, **SQL Server**, and **MySQL**, adept in writing stored procedures, triggers, and optimizing SQL queries.
- Comprehensive understanding of web services including **REST**, **SOAP**, along with experience in **XML** technologies and integration tools like **Apache Camel**.
- Familiarity with cloud computing platforms like **AWS**, emphasizing scalability and fault tolerance through **VPC**, **EC2**, **DynamoDB**, **S3**, **ELB**, and **SQS**, among others.
- Hands-on experience with development and deployment tools such as **Ant**, **Maven**, **Jenkins**, **JIRA**, **Git**, **SVN**, ensuring streamlined workflows and efficient collaboration.
- Proficient in unit testing using **JUnit**, **Jasmine**, and **Mockito**, ensuring code quality and reliability through comprehensive testing strategies.
- Strong **analytical** and **problem-solving** skills coupled with excellent interpersonal abilities, facilitating effective communication with stakeholders and clients.

SKILLS

Programming Languages: C, C++, Java, J2SE, J2EE, SQL, PL/SQL, JavaScript, TypeScript, Groovy.
Java & J2EE Technologies: JDK, JDBC, EJB, Servlets, JSP, JSTL, JSF, JavaBeans, DMR, JavaMail API, Java Persistence API, Collections, Generics, Multi-Threading, Concurrency, Serialization, Kafka.
Web Technologies: HTML3/5, DHTML, XHTML, CSS3, XML, Schema, XPath, DOM, JavaScript, JQuery, JSON, AJAX, NodeJS, React JS, Tailwind CSS, Chakra UI, Radix UI, Twitter Bootstrap, DTD.
Web Services: WSDL, RESTful, SOAP.
Frameworks: Spring, Hibernate, Spring Boot, JPA, Struts, Spark, Maverick.
IDE Tools: JBuilder, MyEclipse 5.x/6.6, Eclipse, SQL Developer, IntelliJ.
Databases: Oracle, MS SQL Server, MySQL, Mongo DB.
Build Tools: Log4j, Maven, Jenkins, Cruise Control, Git, CloudWatch.
Testing: JUnit, Karma, Cypress, Jest JS.
Version Control: Git, SVN.
Design Tools & Methodologies: OOPS, OOAD using UML with RationalRose, Agile Methodology, SCRUM, Waterfall/Spiral SDLC, J2EE Design Patterns-DAO, VO, Business Delegate.
Operating Systems: Windows XP/Vista/7/8/10/11, UNIX (Shell Scripting)**.**
Tools & Others: Jira, putty, Apache Camel, JMS, Jenkins, Figma, Amazon Web Services (AWS), Hudson, Lamda Functions, Amazon Elastic Container Service, Amazon S3, Amazon EC2, Docker.

WORK EXPERIENCE

Full Stack Developer Intern, New York State Education Department **Aug 2023 – Present**
Description: The New York State Education Department (NYSED), part of the expansive University of the State of New York (SUNY), entrusted me as a Full Stack Developer on various projects. Two notable ones included an account

management and authorization platform for NYSED and other entities, and the automation of account creation and provisioning for CEOs within SEDREF. Across both projects, I actively contributed to diverse front-end and back-end modules, leveraging my full-stack skillset.

Responsibilities:

- Re-engineered legacy Boilerplate and PPR with **Vue JS** and **Spring Boot**, resulting in a 2x reduction in application load time and 30% increase in developer productivity.
- Created reusable TypeScript components and services to consume **REST APIs** using **Vue JS**, resulting in a 30% reduction in code duplication and a 25% increase in development speed.
- Refactored codebase to eliminate redundancy, ensuring modularity and adherence to **SOLID design principles**, resulting in a 10% reduction in code size and a 20% improvement in performance.
- Crafted **RESTful APIs** adhering to **HTTP** and **REST principles**, achieving a 40% reduction in API response time and improving overall system stability by 15%.
- Debugged and updated existing test scripts using **JUnit**, **Karma**, increasing test coverage by 20% and reducing production defects by 18%.

Environment: Java, JavaScript, Spring Boot, Hibernate, Vue JS, Oracle, Git, Bitbucket, Agile, IntelliJ.

Graduate Student Assistant, University at Albany **Aug 2022 - Jan 2023**

Description: Led by the Center for Women in Government & Civil Society, the Language Assistance Application project involved an 8-member research and development team. Our web application enhances language accessibility in healthcare by seamlessly integrating a J2EE framework for dynamic report generation and analytical data management. Our collaborative efforts epitomize innovation in addressing language barriers within the health sector, ensuring equitable access to vital services.

Responsibilities:

- Established **Service Oriented Architecture (SOA)** with Spring framework, exposing it through **RESTful** services with loose coupling between layers, resulting in a 15% improvement in development speed and a 10% reduction in deployment complexity.
- Designed and implemented intuitive, user-friendly, and visually appealing UIs in ReactJS, resulting in a 20% boost in user satisfaction as measured by internal surveys.
- Collaborated with the development team to debug, test, and optimize code, leading to a 10% increase in project efficiency and a 5% improvement in performance.
- Partnered with cross-functional teams to design and prototype intuitive UIs using Figma, reducing user errors by 30% and increasing user satisfaction by 20%, as validated by usability testing.

Environment: Java, JavaScript, Spring Boot, Hibernate, React JS, Oracle, Git, Bitbucket, Agile, IntelliJ

Software Engineer, Experian **May 2020 - Jul 2022**

Description: Experian is the world's leading global information services company.

Responsibilities:

- Spearheaded the development and maintenance of the Ascend Portal, Ascend Quest, supporting diverse clients including Bank of America; implemented user-centric design enhancements, resulting in a 30% increase in user engagement and a 25% improvement in conversion rates.
- Use of **Model-View-Controller** pattern to implement microservices for user authentication **RESTful API's**. With the help of **Spring Boot**, accelerated the development of API's by 40% upon joining the team.
- Improved microservices scalability through caching, achieving a 20% reduction in response time.
- Contributed to implementing rigorous unit testing procedures (**JUnit, Jest JS**), achieving a 25% decrease in post-deployment bugs.
- Conceptualized and implemented a solution using **AWS S3** to seamlessly copy project artifacts into a designated bucket, eliminating manual intervention and reducing error rate by 40%.
- Improved notification system for high-volume file transfers to **S3** through **AWS Lambda functions**, increasing visibility by 20% and proactively identifying potential issues, leading to a 15% reduction in troubleshooting time.
- Collaborated on refining data visualization for meteorological stats, ensuring a more informative map representation.

Environment: React.js, Node.js, Nest.js, Cypress, Oracle, Jira, Agile, Jenkins, Jest.js, Amazon Web Services, various component libraries, groovy scripts, Spring Boot, Java, JUnit.

EDUCATION

Master's Degree, Computer Science, University at Albany (SUNY) **May 2024**
Courses: Software Engineering, Data Mining, Operating Systems, Algorithms & Data Structures, Machine Learning.

Bachlor's Degree, Computer Science, Malla Reddy Engineering College **May 2021**
Courses: Software Engineering, Data Mining, Operating Systems, Algorithms & Data Structures, Computer Organization, Computer Networking.

Projects

Nosh - Restaurant application

- Leveraged ReactJS, NestJS, MongoDB, and AWS to create a comprehensive solution with a robust payment gateway, catering to diverse user needs (Admin, Employee, Customer).
- Designed three distinct modules tailored to specific user roles, ensuring a seamless and intuitive experience across the platform.
- Utilized ReactJS to build an intuitive user interface with a 95% satisfaction rate, minimizing user friction and enhancing engagement.
- Employed NestJS to construct a scalable backend with a mean time to response (MTTR) of 100 milliseconds, guaranteeing exceptional responsiveness and smooth user interactions.

Fake News Detection

- Developed a Groover model achieving 95% accuracy in distinguishing real from fake news, surpassing prior models by 10%. This innovation leveraged a diverse 10 million-article dataset and a novel paraphrasing technique for robust performance.
- Through rigorous evaluation and fine-tuning, boosted the Groover model's accuracy by 15%, ensuring its effectiveness against evolving misinformation techniques.
- Led the Groover project from inception, achieving a remarkable 95% accuracy in fake news detection. This success demonstrates expertise in model development, optimization, and real-world application.