Anand Uperpelli

ananduperpelli@hotmail.com — +1 (970) 213-3994 — LinkedIn — Portfolio — Github

OBJECTIVE

Pragmatic Developer with a strong 5+year experience in Java & Angular. Committed to championing high coding standards and utilizing modern technologies to ensure efficient project delivery. Seeking to expand my impact by collaborating closely with frontend teams and deepening my expertise in technology architecture, fostering a more integrated and effective development process.

SUMMARY

- Adept, pragmatic full stack software developer with about five years' experience in Java & Angular -based application development.

- Committed to maintaining optimal coding standards by leveraging current industry trends for efficient project delivery.

- Solid understanding of design patterns, SOLID principles, KISS principles, and DRY principles in software development.

- Eager to collaborate on frontend technologies and comprehend technology architecture to broaden my technical skill set.

- Passionate about continuous learning and embracing new technologies to advance my knowledge and professional growth.

- Possess fundamental understanding and practical knowledge of AngularJS, HTML, CSS, Bootstrap frameworks, and jQuery library.

- Experienced in utilizing Continuous Integration and Continuous Delivery tools, enhancing project deployment and development workflow efficiency.

- Skilled in version control, branching, merging, ensuring seamless collaboration and stability across various application versions.

- Proficient in crafting optimized SQL queries for accurate data extraction, ensuring data integrity and improved performance.

- Expertise in configuring and managing web application servers like Apache Tomcat and WildFly for deployment.

- Actively collaborated with cross-functional teams using Agile methodologies (Scrum/Kanban) to facilitate iterative software development cycles.

- Regularly participated in comprehensive code reviews, consistently enforcing best practices and maintaining high coding standards.

WORK EXPERIENCE

Colorado State University   *Research and Curriculum Assistant*
Dec 2024 – Present

- Researched and proposed updates to the Java curriculum to incorporate modern technologies, including Spring Boot.

- Mentored 30 students in Object-Oriented Programming concepts, providing targeted support and debugging assistance to improve their understanding and project outcomes.

- Graded and provided constructive feedback on assignments and tests for 30 students, ensuring fair and consistent evaluation based on established rubrics.

- Developed and documented two new programming labs focused on REST APIs and database connectivity, bridging theoretical concepts with practical, hands-on application.

- Authored clear, concise code examples and tutorials to illustrate complex OOP topics like polymorphism, inheritance, and generics for use in lecture materials.

- Evaluated and recommended educational tools and IDE plugins (e.g., for IntelliJ or VS Code) to improve the student development workflow.

- Collaborated with faculty to integrate version control best practices using Git and GitHub into the coursework for the first time.

Fiserv Pvt Ltd   *Sr Associate, Software Development Engineering*
Feb 2022 – Dec 2023

- Led the development and integration of two major projects—Point of Sale Portal and Point of Sale Admin Portal—ensuring seamless operation and interconnectivity.

- Migrated the Point of Sale Admin Portal to Spring Boot & Angular 10+, including encryption/decryption functionality, ensuring data security and system efficiency.

- Provided critical support using Tomcat and Wild-Fly in Release & Integration Testing, collaborating with Business Analysts and Technical teams to enhance software reliability.

- Designed and optimized PL/SQL procedures, database packages, and query performance, achieving 40% improvement in system response times.

- Unit testing was performed using Junit and Mockito and validated APIs using Swagger, ensuring correctness, reliability, and performance, while also assisting with production deployment with Splunk monitoring during on-call support.

- Integrated MapStruct in a Spring Boot application to automate and optimize DTO-to-entity mapping, reducing boilerplate code by over 70%.

- Leveraged Jira's reporting capabilities to track project milestones and identify resource bottlenecks, resulting in 20% faster issue resolution.

- Provided critical assistance and support to the Business Analyst and Technical team in Release and Integration testing, alongside offering general test support to ensure software reliability and performance..

- Made significant contributions to both functional and technical aspects of software application design, including requirement gathering/analysis, mapping/gapping, solution design, application setup, and ensuring thorough testing and robust post-implementation support.

- Played a key role in supporting the production deployment and handling on-call duties to address and resolve issues promptly, ensuring high availability and performance.

- Nominated as Debutant Excellence for the work completed within the joining of 6 months.

Epam Pvt Ltd   *Software Engineer*
Jan 2020 – Jan 2022

- Created API endpoints as the unified interface, integrating different services into single API calls for business needs.

- The project was deployed on AWS using AWS lambdas, ensuring that the code was executed correctly according to business logic by performing extensive tests with various types of data.

- Used AWS services (EC2, RDS, S3) for cloud infrastructure provisioning and deployment.

- Using Postman to test the code deployed on Amazon Web Services (AWS) and conducted integration tests to ensure API reliability and performance.

- Enhanced front-end performance and user experience by implementing AJAX calls to dynamically update content without full page refreshes.

- Collaborated in establishing CI/CD pipelines with Jenkins, automating the build, testing, and deployment processes to improve release velocity and reliability.

- Secured API endpoints by implementing token-based authentication using JSON Web Tokens (JWT), safeguarding sensitive data.

- Authored comprehensive integration and performance tests using Postman to validate API reliability and ensure endpoints met business requirements.

- Managed source code, feature branches, and code reviews using Git, promoting team collaboration and maintaining code quality.

- Actively participated in an Agile environment, using Jira for sprint planning, task estimation, and tracking progress with burndown charts to ensure team accountability.

EDUCATION

Colorado States of University, Fort Collins, CO
Master's in Computer Information Systems   *Graduation Date: Dec 2024*

The University of Pune, India
Bachelor's in Computer Engineering   *Graduation Date: May 2019*

PROJECT EXPERIENCE

Quiz Management System
Jul 2024 – Nov 2022

- Engineered a comprehensive quiz platform utilizing a microservice architecture, managed through an API Gateway to ensure secure and efficient request routing.
- Developed robust back-end microservices with Spring Boot, leveraging JPA (Java Persistence API) for seamless and persistent storage of quizzes, questions, and user scores.
- Ensured real-time data flow between services by implementing Feign Client for declarative REST communication, enabling instant automated scoring upon quiz completion.
- Delivered an end-to-end solution built on Spring Boot, which integrated the quiz creation, user attempt, and automated grading services into a single, cohesive assessment platform.

Data Transfer Using Lifi
Jul 2018 – May 2019

- Engineered a hardware device specifically designed to transmit data from one point to another utilizing LIGHT as the transmission medium, revolutionizing traditional data transmission methods.
- Developed and constructed a complementary hardware device aimed at receiving the data, ensuring compatibility and efficiency in the data transmission process.
- Innovated by implementing light as the primary transmission medium, a strategic pivot from the conventional use of radio frequency waves, to enhance data transmission efficiency and security.
- Facilitated simultaneous data reception, enabling the receiver to efficiently process data in real-time, thus optimizing the overall communication process.
- Designed the project with a specific unidirectional focus, specifying that data is transmitted in one direction only, to streamline and simplify the communication protocol.

CWIT Admission System
Jul 2015 – May 2016

- Developed a comprehensive website using JSP and Servlets for the college admission system, streamlining the management of the admission process, course allocation, automatic generation of roll numbers, and maintaining detailed records of student academics.
- Integrated a feature for utilizing the stored data to gather feedback from students, enhancing the institution's ability to respond to student needs and improve educational offerings.
- Implemented a robust system to automatically store marks based on courses and generate student results, increasing efficiency and accuracy in academic evaluations.
- Added a functionality that enables the export of student data in PDF format, facilitating easy documentation and sharing of student records for administrative and academic purposes.

SKILLS & INTERESTS

Programming Languages: Java, Python, JavaScript, jQuery, Ajax, SQL, HTML, CSS, Bootstrap.

Technologies: REST, AngularJs, API, JSON, AWS EC2, Spring boot, JPA, Hibernate, JDBI3, Spring, Maven, JWT, Junit, Mockito, Microservices, Cloud Computing, Tailwind CSS, Cursor AI.

Databases: MySQL, MS-SQL, Oracle.

Tools: Visual Studio Code, Eclipse, Git, STS, Intellij, Tomcat, WildFly, Postman, Splunk, Swagger, Toad, MySql-Workbench, CI/CD, Putty, WinScp.

Operating Systems: Microsoft, Linux, Ubuntu, AIX.

Workflow: Agile Methodologies.

Soft Skills: Problem-solving, Team-oriented, Communication, Multitasking, Flexible, Adaptive, Collaboration, Detail-oriented, Leadership, End-to-End Delivery.

CERTIFICATIONS

- Cyberdefence Pro Certification; (TestOut)
- Information Technology Project Management Certificate; (Colorado State University)