Anand Uperpelli

anandaperpelli@hotmail.com | (970) 213-3994 | Fort Collins, CO | https://aru11041997.github.io/anandaperpelli.github.io/

Professional Summary

- Adept and pragmatic backend software developer with around 4+years of experience in Java backend development.
- Committed to maintaining the best coding standards and using the latest trends to drive project delivery.
- Also have a good knowledge of the SOLID Principle, KISS Principle, DRY Principle and Design Patters.
- Eager to collaborate on front-end technologies and catch on to technology architecture to broaden my technical skillsets.
- Understanding knowledge of AngularJS, HTML, CSS, Bootstrap, jQuery.
- Experienced in Continuous Integration and Continuous Delivery tools.
- Experienced in branching, merging, and version control ensuring seamless collaboration and stability across application versions.
- Experienced in writing efficient SQL queries to extract specific information from large datasets, ensuring data integrity and performance.
- Expert in web application server like Tomcat and WildFly.
- Adept at creating and refining intricate PL/SQL functions, packages, and procedures. Has knowledge of execution strategies, query optimization, and cross-platform SQL application for MySQL, Oracle, and MS-SQL databases.
- Proficiency in creating RESTful APIs for smooth database communication and connecting Oracle databases with Java apps utilizing JDBC, JDBI3 and JPA.
- Collaborated with cross-functional teams, following Agile methodologies (Scrum/Kanban) for iterative development.
- Participated in code reviews, ensuring adherence to best practices and coding standards.
- Experienced in designing and implementing scalable, distributed systems processing millions of events daily.

Skills

Programming Languages: Java, Python, JavaScript, jQuery, Ajax, SQL, HTML, CSS, Bootstrap.
Technologies: J2EE Framework, UI Framework, Web Development, REST, AngularJs, API, JSON, AWS EC2, Spring boot, JPA, Hibernate, JDBI3, Spring, Maven, JSON Web Token (JWT), Junit, Mockito, Microservices, Cloud Computing, Kafka.
Databases: MySQL, MS-SQL, Oracle.
Tools: AWS (Amazon Web Services), Visual Studio Code, Eclipse, Git, STS, Intellij, Tomcat, WildFly, Postman, Splunk, Docker, Kubernetes, Swagger, Toad, MySql, Continuous Integration Continuous Delivery (CI/CD), Putty, WinScp, GitLab.
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.

Education

Master's in Computer Information Systems   Aug 2023 - Dec 2024

Colorado States of University, Fort Collins, CO
Relevant Coursework: Application Software Infrastructure, Software Development Methodology, IT Communications Infrastructure, Project Management: Information Technology, Object-Oriented Systems, E-Business Application Technology, Cybersecurity, Information Assurance and Security, AI/ML Product Management, Agile Management and Product Development
Certificates: TESTOUT CYBERDEFENSE PRO Certificate.

Bachelor's in Computer Engineering   Jul 2016 - May 2019

The University of Pune, India (**First Class with Distinction) GPA – 3.32/4**
Related Coursework: Data Structures and Algorithm, Object-Oriented Programming and Design, Machine Learning, Artificial Intelligence, Database Management Systems, Design and Analysis of Algorithms, Data Mining, UML.
Certificates: ZENSAR TECHNOLOGIES Internship (ESD Training) Certificate.

Diploma in Computer Engineering   Jul 2013 - May 2016

Cusrow Wadia Institute of Technology Pune, India (**First Class with Distinction) GPA – 3/4**
Related Coursework: Programming fundamentals, Data Structures, Object-Oriented Programming, Database Management Systems, Computer Networks, Java Programming, Object Oriented Programming & Design, Software Engineering, Unix System Administration

Professional Experience

Fiserv Pvt Ltd, Sr. Software Engineer   Feb 2022 - Dec 2023

- Led the development and implementation of two major projects, the Point of Sale Portal and the Point of Sale Admin Portal, ensuring their interconnectivity and seamless operation.
- 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.
- Engineered workflows and actions essential for the successful migration of the Point of Sale Admin Portal from an outdated framework to a new, more efficient framework like Spring boot and Angular 10+.
- Successfully migrated encryption and decryption functionality from old framework to new framework, maintaining core functionality while seamlessly integrating with the existing codebase, ensuring data security and operational continuity.
- 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.
- Conducted comprehensive unit testing on the APIs developed, ensuring their correctness, reliability, and performance in line with project requirements.
- PL-SQL stored procedures and functions were developed and improved, and database packages were effectively handled to improve application performance and guarantee seamless data processing across several modules.
- Optimized database queries and implemented caching strategies, improving system response times by 40%
- Nominated as Debutant Excellence for the work completed within the joining of 6 months.

Epam Pvt Ltd, Software Engineer   **Jan 2020 - Jan 2022**
1. **Client Onboarding (July 2020 – Jan 2022)**
- Created API endpoints as the unified interface, integrating different services into single API calls for business needs.
- Deployed the project on AWS using AWS lambdas, ensuring the code executed correctly according to business logic by performing extensive testing with various types of data.
- Utilized AWS services (EC2, RDS, S3) for cloud infrastructure provisioning and deployment.
- Utilized Postman for testing the deployed code on Amazon Web Services (AWS) and conducted integration testing to ensure API reliability and performance.
- Used MongoDB for the easy scalability of the database.

2. **RD-Portal (Feb 2020 - Jun 2020)**
- Designed and implemented a portal for managing RD engineers, enabling users to access and visualize data through graphs, charts, and real-time reports.
- Generated visual representations of data to provide an overview, with the option for users to export data into Excel for detailed analysis.
- Optimized web page performance by minimizing refreshes through the use of AJAX calls, enhancing user experience.
- Provided a tabular data representation, allowing users to view data directly on the platform without the need to download comprehensive files.
- Implemented a feature for uploading data via Excel into the application, facilitating easy data entry and storage in the database.

Projects

Data Transfer Using Li-Fi i.e. Light   **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 2018 – May 2019**
- Developed a comprehensive website 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.

Publication
- **Title**: A Novel Approach for Reliable High Speed Data Transmission Technique Using Light Fidelity (LiFi).
- **Name of Journal**: International Journal of Applied and Pure Mathematics - 2018.
- **Volume**: Volume 118 No. 24c.