

# James Ballari

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## SKILLS

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Languages: Java, Python, C#, C/C++, JavaScript/TypeScript  
Frameworks: Spring Boot/Cloud Microservices/security, Jooq, Liquibase, Hibernate, JPA, .Net, Junit, Mockito  
Other Technologies: HTML, CSS, SOAP, REST APIs, React/NextJS, Kafka/Kafka-Streams, JWT, LMAP/MEAN, NodeJS, Elasticsearch, Resilience4J, Bucket4j, Microservice Observability  
Databases: Oracle, SQL Server, MySQL, PostgreSQL, PL/SQL, Redis, MongoDB  
Dev & Other Tools: Git, Bitbucket, SVN, Gradle, Maven, Jenkins, Selenium, AWS, Oracle Cloud, Jira, Bitbucket, Linux/Unix, Postman, Docker, Kubernetes, Agile Methodology, Power BI, Tableau.

## EXPERIENCE

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**Software Development Engineer III – [Tide Business Banking](#)** (Financial/Fintech Platform) Mar 2022 – Aug 2022

- I transformed Microservices by implementing crucial feature toggles and enhancements related to access, security, caching, message queues, and external calls in a distributed cloud infrastructure, thereby facilitating seamless multi-tenant deployments in AWS with Java spring applications. Orchestrated the deployment of the first customer-onboarding backend services from the UK to the India region.
- I conducted analysis and developed a tailored integration linking Google My Business Location for Tide with the Kustomer Application. This was achieved using Google Pub/Sub and custom-built RESTful APIs for authentication, enabling seamless communication between different products. This integration significantly enhanced the efficiency of business staff by eliminating the need for manual copying and ticket creation for real-time queries and reviews.
- I transformed aspects of monolithic application into microservices, with a specific focus on enhancing the management of Accounts & Initial Balances data and Customer Onboarding functionalities. This initiative aimed to reduce costs and increase service availability.

**Senior Application Consultant – [DCS Gulf](#)** Mar 2021 – Mar 2022

- Implemented Value-added-Tax (VAT) in alignment with new government regulations for Oman Water Company by restructuring entities including Billing, Case Management Lifecycles, and updating/creating new Java RESTful APIs. This effort resulted in successful migration of over 95% of users to the new billing system.
- I addressed Portland General Electric's diverse software needs by integrating Twilio, SendGrid, Oracle Apex, Oracle Cloud Infrastructure (OCI), Salesforce, OpenText - EDMS, Apache Kafka Streams, and new custom Java Spring APIs. These integrations facilitated the automation and efficient management of high-volume daily billing, payments, and other related customer communications.

**Senior Application Consultant – [Abjayon](#)** Mar 2020 – Mar 2021

- Led a successful team of six in delivering new software solutions for maintaining Customer, Premise, Device, and Utility Service along with other entity information. I Supervised the creation and introduction of new custom features in Billing, Miscellaneous Charges, Payments, and external API Integrations with stripe & other payment gateways, contributing to the seamless launch of Bluegreen Energy's utility service in France & Spain.

**Application Developer II (Staff Consultant) – [Oracle Corporation](#)** Mar 2015 – Mar 2020

- Received high praise for single-handedly spearheading and concluding a project, offering innovative solutions, and resolving approximately 20 critical requirements/upgrade issues. I addressed challenges such as integrating the Customer Care & Billing Application with the Emirates card reader interface during the pre and post go-live onsite support for Abu Dhabi Distribution Company.
- Built Innovative tools for data warehousing, Cobol code analyzing, notification/alarm system for monitoring, automated application tests and documenting results with screenshots, as well as blueprint and package creation processes, improving delivery speed by 70% and saving more than 50 hours per week.
- Engineered robust and efficient RESTful APIs and market utility integrations for Oncor Electric Delivery, supporting over 10 million customers. Additionally, I built efficient design to manage and process thousands of market message transactions a day. These efforts facilitated seamless processes for customer registration, service switching, and interactions with many utility service providers, including billing and payments functionalities.

## PROJECTS

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- GitHub Projects: Comprising diverse applications, including API mock services and small utilities and games, demonstrating a diverse skill set and expertise in design, development, and innovative solutions.
- Graduate Projects: Trained Neural Network model using Reinforcement Learning for a 2-player multi-phase game demonstrating intelligence evolution across generations within millions of states. Implemented an Information Retrieval System utilizing Document Matching techniques (such as K-means and word2vec) to match Resumes to job postings. Developed an AI voice & text Chatbot for restaurant recommendations. Additionally, I Initiated and led 'Askme', a scalable College Community project capable to serve more than 80 thousand users a day.s

## EDUCATION

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**Master's in computer science**, Texas Tech University May 2024

Graduate Research Assistant at [Institutional Research Department](#) at Texas Tech University.

I maintained, enhanced, and updated Trends, Factbook & other web applications using .Net , C#, MSSQL and PHP. Additionally, I developed various Business Analytics Reports using Power BI and Tableau.