

# BENITA REGO

San Jose, CA 95134 | [regobenita26@gmail.com](mailto:regobenita26@gmail.com) | +1 6693881662 | [Portfolio](#) | [Linkedin](#) | [GitHub](#)

## SUMMARY

Software Engineer with over 3 years of experience building scalable backend systems, APIs, with a focus on large-scale projects and expertise in distributed system design, focused on delivering impactful results. Experienced in SCRUM/Agile development, cloud, frameworks (Android, React, VueJS), skilled in promoting productivity with proficiency in Generative AI. Passionate about learning technologies, enthusiasm to innovate and build software solutions.

## EDUCATION

**Master of Science (M.S)** in Computer Science - **Santa Clara University**, Santa Clara, CA

**June 2023**

**Bachelor of Engineering (B.E)** in Computer Engineering - **University of Mumbai**, Mumbai, India

**June 2021**

*Courses: Algorithms, Data Structures, Object Oriented Programming, Database Systems, Cloud Development, Distributed Systems, Operating Systems, Machine Learning, Computer Architecture, Web Applications, Computer Networks, Data Analytics, Mobile Development, Design Patterns, Artificial Intelligence*

## EXPERIENCE

**Applications Engineer | Oracle America Inc., Redwood City, CA**

**July 2023 - Present**

- Launched payments workflow with third-party gateway integrations in Fusion Cloud ERP, cutting processing time, ensuring PCI compliance, and prototyped an AI Agent to automate exceptions, improve reconciliation, and speed up financial decisions.
- Synergized with diverse cross-functional Fusion ERP team members, streamlining Accounts Receivables (AR) by implementing automation workflows, enhancing operational efficiency and accounting service operations and release cycles with reliability.
- Monitored and resolved technical issues via bug fixing process, identifying crashes and bottlenecks in the production environment, which led to faster finance processing and anomaly detection, improving and maintaining product efficiency and sales for Customer Experiences and Success.
- Responsible for comprehensive end-to-end testing and potential challenges for version control, ensuring adequate Test Driven Development and debugging, refining product flows, relational databases queries, data access and processing via SFTP, audits, data analysis and integration.
- Collaborated with Product Managers, Architects and quality assurance to meet business specifications, articulate technical requirements into technical engineering solutions with global leadership in enterprise systems, and report milestones to ensure alignment with business goals.
- Participated in project planning and system architecture, REST API development for large-scale systems, contributed to modular code review and tracking changes with continuous system integrations and adherence to Software Development Coding Standards with test cases coverage.
- Authored comprehensive technical design documentation and reports to facilitate knowledge transfer and guidance for product development support, mentoring peers on technical subject matters in a collaborative environment for continuous improvement and growth of the organization's success.

**Software Developer | SCU Frugal Innovation Hub, Santa Clara, CA**

**February 2022 - June 2023**

- Devised web and mobile interfaces across Windows, Mac, Android, and iOS, providing accessibility to consumers in Africa, Asia, and Latin America.
- Prototyped UI and UX front end engineering design in Figma, leading to 85% increase in marketing, usability and enhancing the overall user experience.
- Led a Mobile app development workshop for over 50 high school students, teach and equipping them with skills to pursue careers in technology.

**Software Engineering Intern (Full Stack) | Intuitive Surgical Inc., Sunnyvale, CA**

**June 2022 - September 2022**

- Functioned in the Core Technology Product Engineering team, focusing on design systems with integration, functional, unit and automated testing, and delivery of internal software applications using React and TypeScript, and aid in developing prototypes.
- Organized brainstorming sessions and software feature designs review with cross-functional teams to identify UX/UI features required for new product ideas and orchestration to collaborate with designers and developers to mockups and implement the final code approach for user interfaces.

## SKILLS

**Programming & Scripting Languages:** Java, Python, C, C++, Objective C, Dart, JavaScript, TypeScript, Kotlin, XML

**Front End Frameworks:** Flutter, Android, React.js, Redux, React Native, Vue.js, Chakra-UI, Material-UI, Bootstrap, JSON, HTML/HTML5/XHTML, CSS/CSS3

**Back End Frameworks:** Node.js, Flask, AJAX, Django, RESTful API, JSON, JUnit, DevOps, CI/CD

**Generative AI Technologies:** Prompt Engineering, RAG, LangChain, Vector Databases, Tensorflow, Keras, PyTorch, OpenAI APIs, LLM, NLP, Deep Learning

**Databases & Cloud Platforms:** SQL, MySQL, PL/SQL, NoSQL (Firestore, MongoDB), JDBC, Redis, AWS, Oracle Cloud, Docker, Kubernetes

**Developer Tools & Libraries:** Figma, Jira, Confluence, BitBucket, Canvas, PowerBI, Git, GitHub, Visual Studio, Postman, Jenkins, OpenCV, Linux, Windows

**Soft Skills:** Written and verbal communication, detail oriented, problem solving, critical thinking, team collaboration, adaptability, curiosity

## PROJECTS

**FlexPay - University Payment Application** - *Java, JavaScript, OCI, Firebase, MongoDB, Node.js, Python*

- Devised a user-friendly e-commerce app that provides flex points for university payment transactions, hosted on an OCI computer instance. stored in MongoDB Atlas, with Multi-factor Authentication encrypted, utilized Nginx, Express for HTTP handling with multithreading and server management.

**Social Media Analysis for Mental Health Evaluation** - *Flask, Machine Learning, REST API, Firebase*

- Designed an ecosystem that analyses users' mental state using social media APIs and ML Natural Language Processing, CNN integration, providing an accuracy of 89.28%. Negative health alert, assisted by a medical chatbot with 92% project performance efficiency, further shows medical services nearby.

## CERTIFICATIONS

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|--|---|---|
| • <b>Oracle Cloud Infrastructure Foundations</b> | • <b>Stanford University</b> - Machine Learning | • <b>LinkedIn</b> - Project Management Skills for Leaders |
| • <b>LinkedIn</b> - Introduction to LLMs         | • <b>Udemy</b> - Android Development            | • <b>Oracle Cloud Infrastructure GenAI</b>                |

## ACCOMPLISHMENTS AND INVOLVEMENT

- Published a Project Research Paper** - "Social Media Analysis for Mental Health Evaluation" *IJRASET*, ISSN: 2321-9653, Volume 9 Issue IV Apr 2021
- Judge & Mentor:** UnScript 2022: National Level Hackathon, India; **Built software projects** in hackathons including Smart India Hackathon 2020.