

NOLITA REGO

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SUMMARY

Software Engineer proficient in JavaScript, Python, and NodeJS, with strong design and problem-solving skills, debugging, QA, testing (Jest, Selenium, Appium), and Agile Development. Equipped with in-depth knowledge of algorithms, cloud services (AWS, OCI), frontend frameworks (ReactJS, AngularJS, Flutter), ML/AI (GenAI, NLP), and CI/CD (Docker, Jenkins). Adept at collaboration and innovation, leveraging Flask, REST API, Git, and DevOps technologies.

EDUCATION

Master of Science in Computer Science - **Santa Clara University**, Santa Clara, CA, USA

June 2023

Bachelor of Engineering in Computer Engineering - **University of Mumbai**, Mumbai, India

June 2021

Courses: Algorithms, Data Structures, Database Systems, Cloud Computing, Distributed Systems, Operating Systems, Design Patterns, Microservices, Computer Architecture, Computer Networks, Big Data Visualization & Analytics, Object Oriented Programming, Mobile/Web Development, Artificial Intelligence.

SKILLS

- **Languages:** Python, JavaScript, Java, C, C#, TypeScript, GraphQL, Golang, Kotlin, Bash, XML
- **Frontend Frameworks:** ReactJS, Angular, Flutter, React Native, Redux, Material-UI, HTML/HTML5, CSS/CSS3, Storybook, Bootstrap, VueJS, jQuery, AJAX
- **Backend Frameworks:** Node.js, Express, Flask, Django, RESTful API, JSON
- **Databases:** SQL, SQLite, PL/SQL, PostgreSQL, NoSQL (Firebase, MongoDB)
- **Cloud Platforms:** AWS (S3, EC2, ECS, ECR, ASG, DynamoDB, SNS, SQS, Lambda), Oracle Cloud Infrastructure (OCI), Microsoft Azure, Docker, Kubernetes
- **Developer Tools:** Git, GitLab, GitHub, Postman, Linux, Figma, VS Code, PowerBI, Apollo, Jenkins, Bitbucket, Webpack, Confluence, Jira (Scrum, Kanban)

EXPERIENCE

Software Engineer II - Medtronic Inc., Los Angeles, CA

October 2024 - Present

- Developed scalable automated test scripts using JavaScript and Appium, implemented Page Object Model (POM), and enhanced UI with Flutter, integrating tests into Jenkins CI/CD pipelines for optimized end-to-end, regression, UI, and API testing, ensuring seamless system data flow.
- Directed defect management using Jira, devised advanced test strategies for functional, integration, and performance testing, conducted API testing with Postman, and executed manual test runs to validate edge cases, improving system reliability.
- Initiated comprehensive testing efforts, including mobile, UI/UX, performance, compatibility, accessibility, security, and system testing, collaborating with cross-functional teams to enhance product quality and ensure regulatory compliance for diabetes solutions.

Software Application Developer - SCU Frugal Innovation Hub, Santa Clara, CA

July 2023 - June 2024

- Spearheaded a team of 3 to develop a hybrid application for Belgian clients. Designed high-fidelity Figma prototypes, Flutter for UI, local storage for offline functionality, pub packages for in-built features, integrated Dialogflow chatbot, reviewed CI/CD pipelines, improved UI/UX and customer service.
- Collaborated in launching cross-platform customer-facing projects - USL Facilitator for Uganda, and Educational Module Platform for Belgium in JavaScript, Dart, Sass, and AWS, maintaining coding standards, code reviews/changes, debugging code, code coverage in Jest, and app migration.
- Pioneered 100% cost-efficient software solutions, and steered end-to-end development of 19 mobile apps under the Bilingual Math project to track project success, language support, UX, launch strategy, and performance monitoring/analytics.

Software Development Intern - Mitchell International Inc., San Diego, CA

June 2022 - September 2022

- Collaborated with the Auto Physical Damage unit to enhance 90% of software testing solutions in C# using mock frameworks, MSTest, and Selenium.
- Prepared test plans and test cases to verify software quality, troubleshooting, performance tuning, reducing code complexity, fixing code smell, and blockers in Sonar Qube, and checking Continuous Integration / Continuous Delivery (CI/CD) pipeline development and code quality analysis.
- Developed cost estimation tool using machine learning algorithms and ReactJS for the front end, enhancing accuracy in estimating repair costs. Executed a car estimate auto-suggestion large scale system with Trie data structure, and distributed it across multiple shards.
- Aided sibling team interns in building Java unit tests with JUnit, decreasing blockers and passing 82% of test cases.

Mobile Application Developer Intern - FashionTV India, New Delhi, India

June 2020 - August 2020

- Developed and successfully launched an online Wellness course platform, leveraging Flutter-SDK framework, including 2-step MFA Authentication, Cloud Firestore for asynchronous data storage, and designed wireframes using Adobe, increasing 85% of reliable UI with further deployment.
- Maintained an admin platform to handle user data, courses, audio/video streaming, token authentication, and Postman for testing HTTP endpoints.

PROJECTS

HealthConnect - Healthcare Application - ReactJS, Node.js, AWS ASG, Jenkins, Docker, AWS ECR, GitHub Actions

- Developed a web app that manages medical records and patient-doctor communication. Used React, and Node.js, integrated AWS ASG to scale resources based on traffic demand, and CI/CD pipeline using Jenkins, Docker, Spinnaker, and AWS ECR to automate the build, test, and deployment for app delivery.

FlexPay - Payment and Transaction Application - JavaScript, OCI, Node.js, MongoDB, Python, Adobe

- Engineered an e-commerce app that handles transactions, designed Adobe UI, used React, and Spring Boot, hosted on Oracle Cloud, integrated Multi-factor Authentication for security, and utilized Nginx, Express for HTTP handling and server management, and MongoDB Atlas for database.

CERTIFICATIONS

- **Meta** Front-End Developer
- **Google Cloud's** Generative AI with LLM
- **Oracle** Cloud Infrastructure Foundations
- **AWS** Cloud Practitioner Essentials
- **Microsoft** Azure AI Fundamentals
- **DeepLearning.AI's** Neural Network & DL

PUBLICATION AND RECOGNITIONS

- Published a **technical paper** on "Social Media Analysis for Mental Health Evaluation" at IJRASET, Vol. 9 Issue IV, April 2021.
- Served as a **Judge and Mentor** for UnScript 2022 National Level Hackathon, India, under the domain of Mobile App Development, Open-Source, and AI.