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:** React.JS, 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, GitHub, Postman, Linux, Figma, VS Code, PowerBI, Apollo, Jenkins, Terraform, Bitbucket, Webpack, Confluence, Jira (Scrum, Kanban)

EXPERIENCE

Software Engineer II - **Medtronic Inc., Los Angeles, CA** — *October 2024 - Present*
- Architected and implemented scalable automated test scripts using JavaScript and Appium, enhanced UI with Flutter, and leveraged Jenkins to integrate them into CI/CD pipelines, optimizing end-to-end feature validation, API testing, and ensuring seamless system data flow for complex projects.
- Directed defect management with Jira, devised advanced test strategies and plans, conducted API testing with POSTMAN, executed manual runs to validate edge cases, and collaborated with cross-functional teams to enhance UI performance, system reliability and deliver high-quality 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.