

NOLITA REGO

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SUMMARY

Software Engineer proficient in JavaScript, Python, and NodeJS, with strong designing, problem-solving skills, debugging, quality assurance/UI testing, and Agile and Test Driven Development. Equipped with in-depth knowledge of algorithms, cloud services (AWS, OCI), frontend frameworks (ReactJS, AngularJS, Flutter), and ML/AI (GenAI, LLM). Adept at leading teams and innovative initiatives, and adeptly 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, Computer Networks, Design Patterns, Microservices, Computer Architecture, Data Visualization & Analytics, Object Oriented Programming (OOP), Web/Mobile Development, Artificial Intelligence.

SKILLS

- **Languages:** Python, JavaScript, Java, C, C#, TypeScript, Kotlin, Bash
- **Frontend Frameworks:** ReactJS, AngularJS, Flutter, React Native, Redux, Material-UI, HTML/HTML5, CSS/CSS3, Bootstrap, VueJS, jQuery, AJAX
- **Backend Frameworks:** Node.js, Flask, Django, REST API, JSON
- **Databases:** SQL, SQLite, PL/SQL, PostgreSQL, No-SQL (Firebase, MongoDB), PHP
- **Cloud Platforms:** AWS (S3, EC2, DynamoDB, SNS Lambda), Oracle Cloud Infrastructure (OCI), Microsoft Azure, GCP, Docker
- **Developer Tools:** Git, GitHub, Postman, Linux, npm, Figma, Adobe, Power BI, Google Analytics, Bitbucket, Confluence, Webpack, Jira, Kanban

EXPERIENCE

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

July 2023 - Present

- Spearheaded a team of 3 to develop a multi-tenant hybrid app for Belgian clients. Designed high-fidelity Figma prototypes, Flutter for UI, local storage for offline functionality, integrated Dialogflow chatbot, reviewed CI/CD data pipelines, and improved UI/UX and customer service.
- Collaborated in launching cross-platform projects - ASL Facilitator for Uganda, and Social Impact Platform for Belgium in JavaScript, Dart, SASS, Spring MVC, and AWS, performed code changes/reviews, debugging and code coverage in Jest, and app migration.
- Pioneered 100% cost-efficient software solutions, and steered end-to-end development of 17 multilingual apps to track project success, language support, launch strategy, and performance analytics.

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

June 2022 - September 2022

- Collaborated with the Auto Physical Damage unit for the product development team to improve 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, and Cloud Firestore for asynchronous data storage, and designed Adobe paradigms, 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

Home-based Food Business Website - ReactJS, Tailwind CSS, Node.js, Amazon SNS, AWS DynamoDB

- Designed a responsive web app to accept orders and handle pickup/delivery. Used React for UI, and Node.js to handle the server side, integrated Amazon SNS for real-time notifications, and utilized Fetch API to make HTTP requests to trigger the execution of AWS DynamoDB.

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

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

Social Media Analysis for Mental Health Evaluation - Python, Flutter, REST API, CNN, NLP, Flask, Firestore

- Developed an ecosystem to analyze user's mental health using social media live data. Integrated REST API for data exchange with OAuth 2.0, utilized Flask-integrated CNN-NLP model, Twilio for notification/alerts, and DialogFlow for chatbot service, achieving 89.28% test accuracy.

CERTIFICATIONS

- **Meta** Front-End Developer
- **Microsoft** Azure AI Fundamentals
- **Google Cloud's** Generative AI with Large Language Models
- **Oracle** Cloud Infrastructure Foundations
- **AWS** Fundamentals: Going Cloud Native
- **DeepLearning.AI's** Neural Network & Deep Learning

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.
- **Won first place** in the Open-source innovation domain in Crescendo Hackathon 2021, created a License Plate Detector in Smart India Hackathon 2020, and developed an Internal Placement System in Synergy Hackathon 2019.