ALEJANDRO GARCIA

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PROFESSIONAL SUMMARY

Software Engineer with 3 years in a production environment with advanced programming languages and utilizing the full stack of technologies in mobile apps and web development. Experienced in creating and maintaining scalable solutions that streamline data, utilizing SQL and NoSQL databases, RESTful API implementation, networking, and crafting UI components. Led and participated in Scrum meetings throughout the Software Development Life Cycle (SDLC) to ensure timely delivery of digital products, high level communication while working with multidisciplinary collaborative teams and maintaining quality through code reviews.

TECHNICAL SKILLS

Front End: React, Tailwind CSS, HTML, React Native, NextJS, Expo, Angular, Bootstrap, Redux
Back End: Python, MySQL/PostgreSQL, Javascript, TypeScript, NodeJS, Java, C/C++/C#, Spring Boot, GraphQL, MongoDB, Express.js, Spark, Kafka
CI/CD and Testing: Jest, Junit, Selenium, Cucumber, Github Actions, Jenkins
Tools/OS: Microsoft Azure, Git, Unix, Linux, Windows, Bash, NPM, Maven, Agile Methodology, Postman, Jira, Confluence, Figma, AWS Teams, Excel, Outlook, Word, PowerPoint, Google Suite, Zoom

EXPERIENCE & PROJECTS

Full Stack Developer | Nisum Technologies   July 2022 – June 2024

Backend development for Safeway e-commerce catalog   Java | Spring Boot | Apache Spark | Apache Kafka | MongoDB | Azure | Python | React | SQL

- Architected and maintained 10+ cloud systems tailored for extracting from relational databases, data processing and transformation, and loading to NoSQL databases of 15,000,000+ Safeway products utilizing Spark, Kafka, Azure, Java, MongoDB, and PostgreSQL
- Cleaned up 2,000,000+ outdated production-level records hosted on non-relational databases like MongoDB, resulting in a 20% increase in data accuracy by developing Python scripts on Azure
- Improved the Safeway catalog RESTful API utilized by other microservices and teams, which led to 14% error rate reduction in development, by utilizing Java, Kafka, Spark, Spring Boot, and cross-team collaboration
- Created an Inventory Management System based on client-feedback by leading 15 other junior engineers via code reviews, design patterns, and development frameworks such as Agile/SCRUM (Jira, Confluence, React, Spring Boot, Java)
- Automated tests by implementing unit testing and TDD / BDD best practices, which increased use-case coverage from 65 to 90% for the entire project through Junit and Cucumber

Full Stack Engineer | Ride_Share   July 2021 – September 2021

Full-stack development for a ride share forum   JavaScript | React Native | Figma | Node.js | MongoDB | Express.js | Selenium

- Crafted a user interface utilizing React Native and Figma, designing and implementing 10+ pages and components for delivering a list of carpooling posts tailored to location, destination, and scheduling requirements
- Collaborated with a team in a disciplined agile development environment using Jira, researching algorithms for over 20 use cases in system design, digital innovation, and UI/UX design
- Integrated backend functionality for handling account creation and storing rider/driver posts, implementing over 7 API endpoints and ensuring efficient data management in the system database using MongoDB, Node.js, and Express

Github

Front-End Engineer, UI Designer | Cooking with Crumbs   September 2020 – December 2020

Cross-Platform mobile application that recommends recipes based on a user's pantry   JavaScript | React Native | Node.js | Figma | Selenium

- Engineered numerous pages and components using mobile development technologies such as React Native and Expo, rendering content based on 5000+ recipes from the spoonacular API and filtering based on user's dietary preferences and real-time ingredient inventory
- Conceptualized and designed 25+ use case designs using Figma for software architecture, employing iterative design techniques and refining the interface based on peer feedback

Github

Front-End Developer, Data Scraper | IntElect   May 2020 – September 2020

Web app that recommends student courses of a user's university and major for their desired role   JavaScript | React | Python | Selenium

- Learned React.js and Selenium, in order to help develop and debug 20+ reusable UI components through a modular testing framework to ensure TDD and quality.
- Extracted skill information of 4,000+ LinkedIn/Indeed job postings to recommend students, increasing keyword extraction efficiency and reducing manual data extraction by 15% by prototyping machine learning models, Scrapy, and Selenium.

Website

EDUCATION

University of California, San Diego - Bachelors of Science, Computer Science   2022
Cuyamaca College - Associates of Science, Uni. Transfer of Math and Science   2019