Manuel Diaz

manueldiazdev@gmail.com | (707)620-3136 | linkedin.com/in/manuel-diaz-dev/

TECHNICAL SKILLS

Languages	Java/Kotlin, JavaScript/TypeScript, YAML, HTML/CSS
Frameworks/Libraries	Android, Node, React, React Native, Express.js
Tools	AWS, Docker, CI/CD

EXPERIENCE

Digilock   San Francisco, CA
Computer Engineer   July 2023 - Current

- Lead developer for the company's Android IoT gateway, a core device deployed across customer sites
- Proposed, built, and launched an Android React Native kiosk solution rolled out across 100+ active sites
- Developed native Android modules to integrate FTDI USB peripherals into React Native applications
- Delivered BLE native modules for React Native, enabling Android/iOS connectivity with smart locks
- Leveraged AWS CloudWatch to enable monitoring for IoT devices deployed on the field (currently at 1000+ active devices)
- Documented data exchange protocols in Confluence, improving cross-team alignment and reducing integration delays

Nordstrom Inc.   Seattle, WA
Software Engineer Intern   June 2021 - August 2021 & June 2022 - August 2022

- Achieved a reduction in anomaly discovery time, streamlining the process from **three days** to **one hour**
- Utilized React and Springboot to create an application that seamlessly transmits generated mock data to a Kafka cluster, which is utilized as a tool to stress test deployed pipelines
- Designed and implemented reports using New Relic to proactively identify data anomalies, triggering real-time alerts to Slack and PagerDuty for prompt resolution
- Implemented recursive algorithms that generate and validate records based on the Avro schema provided by the user
- Containerized the application using Docker and integrated a CI/CD pipeline from GitLab to Nordstrom's JFrog container registry

Keysight Technologies   Colorado Springs, CO
Software Engineer Intern   December 2021 - May 2022

- Iteratively improved a client-facing containerized Django application, which provisioned Windows servers for internal engineering developments
- Automated features to the provisioning process in Ansible, which had a reduction of time by **40 percent**
- Initiated a Proof of Concept (POC) for a cloud resource management solution, leading the efforts in defining Key Performance Indicators (KPIs) to measure and quantify the success of the project
- Facilitated daily scrum meetings with a team of two engineering interns, providing leadership and coordination for effective collaboration and progress tracking

Sacramento Municipal Utility District (SMUD)   Sacramento, CA
STEM Student Intern - Junior Business Analysts   September 2021 - January 2022

- Conducted comprehensive analysis to identify potential revenue, innovation, operational excellence, and zero-emission opportunities within the company, focusing on initiatives with a revenue potential of **$3 million** or more
- Facilitated conversations among directors and managers to refine the details of opportunities and risk management strategies
- Generated comprehensive reports and interactive dashboards utilizing the data collected on the ServiceNow platform

PROJECTS

Buzly Inc.   Sacramento, CA
Co-Founder/Software Engineer   February 2022 - March 2023

- Developed a React Native mobile application available on both the App Store and Google Play Store, accumulating over **20,000** downloads and maintaining a user base of approximately **10,000** monthly active users, which **generated +60k in revenue**
- Implemented a dashboard using React, enabling our customers to interact with the mobile application
- Led agile methodologies while collaborating closely with a team of five offshore members to accelerate mobile development
- Deployed Node service within AWS EKS and Digital Ocean, and implemented Slack notification integration

EDUCATION

California State University, Sacramento   Sacramento, CA
Bachelor of Science in Computer Engineering
GPA: 3.7