Jorge Rivero III

jrivero@utexas.edu | jorge-cloud-devops | Austin, TX | codedbyjorge.dev

Summary

Experienced and impact-driven Senior Software Engineer with a strong background in Python, Django, RESTful APIs, and cloud-native development. Proven track record of delivering scalable backend systems, optimizing application performance, and collaborating cross-functionally with design, product, and engineering teams. Passionate about empowering small businesses through high-quality, sustainable tech solutions.

Skills

Programming Languages	Python, JavaScript, TypeScript, CSS, Golang (Go), Ruby, Dart
Cloud Platform & DevOps	Open AI LLM, Azure, Google Cloud Platform (GCP), CI/CD, Docker, Kubernetes, Terraform
Frameworks & Development	FastAPI, React, Node.JS, Django, Flutter
Data Engineering & Analytics	PostgreSQL, MySQL, MongoDB, PySpark, Power BI, Snowflake, Apache Spark
Infrastructure & Tooling	Linux, Git, Jira

Experience

AT&T — *Austin, TX*

SENIOR SOFTWARE ENGINEER — *November 2023 - May 2024*

- Integrated Open AI's LLM for an AI powered vulnerability patching tool with a React, GraphQL, and Node.js interface, reducing discovery-to-remediation time by 80% through automated security workflows and real-time AI recommendations.
- Led the upgrade of a data privacy tool with a Python based FastAPI backend and a Typescript React frontend, increasing transaction processing speed by 20% and reducing memory usage by 18% by refactoring database query logic, optimizing API endpoints, reducing unnecessary state updates in frontend, and implementing memory efficient algorithms in the backend.
- Optimized Node.js modular authentication tool, reducing developer onboarding time by 30% and automating manual processes to save 15 hours per project while establishing consistent security protocols.

PROFESSIONAL SOFTWARE ENGINEER — *August 2022 - November 2023*

- Integrated legacy systems, MySQL databases, and snowflake systems by developing REST and SOAP APIs in MuleSoft with custom data models, increasing team productivity and supporting the Fiber team's acquisition of 1,000+ subscribers through scalable and efficient integrations.
- Built FieldConnect, a React and Twilio-powered proof of concept for real-time issue resolution, reducing response times by 50%. Implemented metrics dashboards and alert automations to improve collaboration between admins and field technicians.

SOFTWARE ENGINEER (TECHNOLOGY DEVELOPMENT PROGRAM) — *January 2021 - August 2022*

- Deployed PowerBI dashboards integrating Azure cost data via SparkSQL and PySpark, contributing to $50M annually in savings through infrastructure optimization. Developed predictive analytics for resource allocation, driving data-driven decisions across cloud, HR, and sales teams.
- Architected the design and development of a Terraform-powered Azure Cloud DevOps pipeline, enabling the automated deployment and configuration of Docker and Kubernetes clusters. This transformative solution saved over 100+ hours for third-party vendors while ensuring consistent and efficient resource provisioning.

Gathr — *Austin, TX*

SOFTWARE ENGINEER — *May 2020 - March 2022*

- Improved app messaging by transitioning a cloud-based chat service from Python to Golang (Go), decreasing Google Cloud Function startup time by 25%.
- Enhanced Firebase/Google Cloud Platform (GCP) integration for Flutter-based apps, streamlining cloud-to-mobile data flows and boosting scalability.

ListingSpark — *Austin, TX*

ASSOCIATE SOFTWARE ENGINEER — *June 2018 - August 2018*

- Developed an offer management platform using Ruby on Rails and Node.JS to streamlined bid tracking and decision-making for property owners, integrating MLS data to enhance listing insights, and collaborated with sales and title teams to optimize real estate workflows, improving operational efficiency by 20%.
- Improved efficiency of research and development data tracking by 80% through programming a Python script that analyzed thousands of entries and exposed logging errors with the MongoDB.
- Enhanced internal software to improve collaboration between title and sales teams, enabling real-time data visibility into shared workflows and streamlining the process of listing and selling homes on the platform, leading to a smoother user experience.

Education

The University of Texas at Austin *Austin, TX*

B.A. SUSTAINABILITY STUDIES & ELEMENTS OF COMPUTING CERTIFICATE *May 2020*

- Courses: Mobile Computing (Swift), Data Analytics (Python, Jupyter Notebook), Web Programming (Postgres, CSS, Javascript, PHP, Bootstrap), Software Engineering (Python, Javascript), Software Design (Python)

Projects & Interests

Eco Eats — Sustainability-Focused Restaurant Finder

React · Node.js · MongoDB

- Designed and developed a full-stack web app that highlights restaurants' sustainability practices, such as composting, donating excess food, and sourcing organic ingredients.
- Enables users to make eco-conscious dining decisions by surfacing verified restaurant initiatives focused on reducing food waste and supporting local agriculture.
- Implemented a responsive React frontend and RESTful Node.js backend, with plans to integrate third-party sustainability APIs and user-generated contributions.

Carbon Tracker App — Travel Emissions Comparison Tool

FastAPI · Python · REST APIs

- Developed the backend using FastAPI to calculate and compare carbon emissions across transportation modes, including gas vehicles, EVs, flights, and trains.
- Designed modular, scalable API endpoints to support real-time queries and future integration with third-party emission data sources and offset platforms.