



Juan Castro

Software Developer

👤 Profile

Seasoned Software Developer with extensive experience in backend development, specializing in Node.js, Golang, and Python. Expertise in designing scalable microservices architectures and developing secure, maintainable APIs. Proven track record of leading teams to success through strategic planning, technical leadership, and a focus on innovation in large-scale data environments. Strong experience with stream processing technologies like Kafka, containerization tools such as Docker and cloud-native applications on AWS.

📁 Employment History

Software Engineer at CommandLink, Remote

November 2024 — Current

Software Engineering at CommandLink entails reviewing Pull Requests from team mates, managing FOSS 3rd party VM software in Azure. Writing code in Python, React, Php(Laravel) to manage the customer security aspect of the product.

- Manage multiple customer infrastructure for Security platform and reporting data. Creation of decoders and rules for all events.
- Implement documented process and for upkeep of security software that manages customer syslog and application event details.
- Build and plan Security Health Screening scores across a myriad of source details and variety of grading scales with calculations.
- Assist with Database architecture decisions and migration management scenarios
- Contribute to full stack developmental efforts in an agile time/weight based strategy.

Software Developer III at RSR GROUP, Remote

October 2023 — February 2024

As a Software Developer III, I spearheaded a data service migration to a new platform and created new business reports using Django/Python. Additionally, I optimized internal processes by developing enhanced functionality with JavaScript/React.

- Streamlined development processes by developing and presenting a Git workflow productivity strategy to leadership, resulting in a 30% reduction in development time.

Details

San Antonio, United States,
210-289-9539

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Links

[Personal](#)

Skills

Python (Programming Language)

Databases

MySQL

Git

PHP (Programming Language)

ReactJS

Linux

Application Programming Interfaces (APIs)

JavaScript (Programming Language)

Redis

Automation

Cloud Computing

Docker

Extract Transform Load (ETL)

Golang

MongoDB

Database Analysis

Infrastructure Management

Project Scoping

Administrative Operations

Agile Methodology

Cassandra

- Spearheaded a **data service migration** to a new platform, involving redesigning APIs for improved efficiency and scalability..
- Implemented new reporting features and developed 'Injury Assessment' forms for warehouse management.
- Architected a robust **microservices** framework using **Python/Django** to support dynamic business reporting..
- Optimized internal processes with JavaScript/React and **Node.js**, enhancing backend and frontend integration.

Delivery Consultant at IQGeo, Remote

July 2022 — May 2023

Customized front-end software to meet client requirements and added new functionalities. Built backend API endpoints for Postgres database queries. Created a Linux AWS training environment for new hires to practice deploying IQGeo software in a secure sandbox setting.

- Established **Git workflows** and standard operating procedures that streamlined deployment processes and ensured efficient cross-team collaboration.
- Utilized **Python, JavaScript, Node.js, React.js**, and **Native React** to customize individual deployments.
- Created a secure **Linux AWS training environment** for new hires to practice deploying IQGeo software, incorporating Docker and **containerization techniques**.
- Facilitated and conducted gateway analysis of team pull requests, ensuring adherence to the code acceptance policy.
- Developed backend API endpoints for **Postgres** database queries, improving data accessibility and system performance.

Software Developer II, Data-Scientist/Frontend Developer at Mailgun Technologies, San Antonio

December 2017 — March 2022

As a back-end developer, I collaborated with the data science team before transitioning to the front-end team, where I modernized the React codebase and achieved key milestones: implementing **Kafka-powered** customer reporting flags, developing new products, and leading a comprehensive front-end redesign.

- Designed and implemented a cutting-edge email validation system, successfully processing between 500,000 to 8 million validations daily, resulting in a significant daily revenue stream of \$50,000.
- Converted key **Python** services into **Golang** to improve concurrency and system throughput in a **microservices** environment.
- Implemented Kafka-powered **stream processing** to enable real-time customer reporting features.
- Experience using **Golang** libraries for **Cassandra** and **Protobuf**.
- Implement **GDPR Compliance** parameters across multiple data stores ensuring sufficient encryption safety.
- Knowledge & Training: An upgraded knowledge base and created CS employee onboarding curriculum.

Data Stores

Front End Software Development

React Redux

TypeScript

Knowledge of Engineering

Project Management

Backend

Public Cloud Computing Platform

System Availability

Cloud Database

Database Replication

Zenoss

Incident Management

Root Cause Analysis

Triage

Node.Js

PostgreSQL

Amazon Web Services

Integrated Development Environments

Red Hat Enterprise Linux

Standard Operating Procedures

Apache HTTP Server

Jenkins

Continuous Integration

Debian Linux

Lightweight Directory Access Protocols (LDAP)

Virtual Private Servers

Operational Systems

User Provisioning Software

Hard Work and Dedication

Languages

English

- (Golang, Python, C*, React, Redux, TypeScript, MongoDB, Git, Docker)

Software Engineer II, Backend at Liquid Web, San Antonio

June 2016 — December 2017

As a Software Engineer II, Backend, I led the re-architecture of provisioning software for 1.5 million websites, integrating it across Windows, Linux, and multiple technologies like **eDir, LDAP, Apache**, and databases (**MySQL, MSSQL**).

- Developed and maintained replacement **Infrastructure Provisioning API** in **Python**.
- Migrated **400,000+** customers to new systems as part of a product acquisition with minimal downtime.
- Automated web, service, and user provisioning system across Windows and Linux.
- Implemented "**Let's Encrypt**" SSL solution and management for 100k websites within the first week.
- Developed and maintained a scalable **Infrastructure Provisioning API** using Python, ensuring high availability across multi-cloud environments.
- (MySQL, Mssql, IIS, Apache, Git, Redis, Python, Jenkins, Maven, Java, Wildfly)

Software Developer I (Cloud Database) at Rackspace Hosting, San Antonio

January 2010 — June 2016

As a Software Developer I (Cloud Database), I developed new features and functionality for Rackspace Cloud Database (Trove) and managed RedisToGo, defining database replication and Redis logic.

In subsequent roles as Linux Operations Engineer II (Cloud Database) and I (Cloud Sites), I maintained hypervisors with customer containers, implemented monitoring scripts, and ensured operational functionality of 300,000+ databases and 1.5 million websites. I participated in on-call rotations, triaging critical outages, and supported high-traffic events like WWDC GDGT (4.7 million views in 2 hours).

- Developed new features and functionalities for **Rackspace Cloud Database** (Trove) and managed large-scale data replication processes for **RedisToGo**.
- Designed and architected a system to monitor for and automatically remediate service outages using **Monit, Zenoss**, and **Python** resulting in 10% less downtime per year.
- Migrated all ~250 production workloads to run in containers.
- Troubleshoot network and production issues and perform root-cause analysis.
- Upgraded 300+ Production MySQL replica pairs from 5.0 to 5.1.
- Administered **2,500+** systems for **400,000+** customers.
- Maintained high availability infrastructure with 99.97% uptime.
- Developed tooling that assisted support teams. This resulted in reducing customer wait times by 13%

Database Analyst at Travelocity, San Antonio

March 2001 — December 2009

As a Database Analyst, I managed the call monitoring platform (**Witness**) and designed a comprehensive reporting center, crucial for business management and operational support. This project involved application administration, project design, deployment, and database ETL creation, ensuring seamless data integration and analysis.

- Create a "Performance Incentive Evaluation" (PIE) metric for employees for company bonus payout.
- Led a team that added more than **200,000** hotel detail information for the first Hotel online booking system.
- Create internal tools for the monitoring team and operations teams to manage employee data and monitoring grades utilizing **PHP** and **MSSQL** database as a platform stack.
- Assist the training team in the implementation of the eLearning system and deployment.

🎓 Education

High School Diploma, Connally High School, Waco

September 1995 — June 1999