Eddie Garcia-Alamilla

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github.com/garcia-eddie

Experience

Software Engineer | Shields Health Solutions   Stoughton, MA (Remote)
Java, JavaScript, CSS, NodeJS, PostgreSQL, Docker   May 2021 - Present
- Successfully implemented REST API endpoints that handle highly sensitive patient data (PHI)
- Resolved numerous critical backend bugs by refactoring code and database queries
- Minimized API test size by ~80% by abstracting code into a generic testing interface
- Developed several standardized tables in collaboration with QA and data engineers
- Increased team knowledge by writing documentation on developer tools and processes
- Led the development of search filters across the application to enhance user experience
- Streamlined the patient onboarding process by building a modal that lets users create patients
- Assisted with production deployment activities by periodically serving on-call
- Collaborate with teammembers in a rapid-paced, agile environment

Software Engineer | General Motors   Austin, TX (Remote)
C#, .NET Core, MySQL   Nov. 2020 - Apr. 2021
- Created a software design document for an ETL tool in collaboration with software developers
- Implemented data extraction from excel files into a temporary database for data cleaning

Projects

Vacation Planner
Go, ReactJS, TypeScript, PostgreSQL, Docker
An application that allows users to categorize expenses and better budget their vacations.
- Reduced the docker image size from 1GB to 30MB by making use of multi-staged builds
- Utilized hexagonal architecture to structure backend code for improved flexibility

Amazon Dynamo Clone
Java
An implementation of Amazon's highly available key-value storage system.
- Improved the time complexity of updating nodes from $O(k)$ to $O(k/n + \log n)$ by implementing a distributed hash table that utilizes the Java Remote Method Invocation system
- Increased fault-tolerance and reliability by incorporating data-replication among server nodes

Skills

Languages: Java, Golang, JavaScript, C++, C#, Python, SQL
Technologies: Git, Node.js, ReactJS, Docker, Concourse CI

Education

Davidson College   Davidson, NC
B.S., Computer Science   Earned May 2020
- QuestBridge Scholarship - awarded a full-ride scholarship out of 14,491 applicants nationwide
- Bonner Scholarship - served approximately 140 hours of community service per semester