Alma Alvarado

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EDUCATION

Bachelor of Science - Computer Science   Long Beach, CA | May 2022
CALIFORNIA STATE UNIVERSITY, LONG BEACH
Coursework: Big Data Analytics, Database Management, Data Structures and Algorithms, Artificial Intelligence, Web and Mobile Development, Software Testing, Ethics and Security

SKILLS

Tech Stack: Java, Golang, Python, Django, React, JavaScript, HTML/CSS, Tailwind, Git, GitHub, Figma, Chrome Developer Tools
Data and Analytics: MySQL, Data Visualization, Google Data Analytics
Project Management: Agile Methodologies Training, Service Level Indicators and Objectives Training, JIRA, Trello, Excel

WORK EXPERIENCE

NEXON AMERICA | ASSOCIATE SOFTWARE ENGINEER   El Segundo,CA | August 2022 - March 2023
- Designed and developed backend RESTful API's and software using Golang for commerce platform services to transition our 3 products from Monolithic to Microservice Architecture.
- Led the development of a new parental control feature using Golang to oversee minors in Southeast Asia regions to make in-game purchases of Nexon Cash currency following domain-driven architecture.
- Collaborated with the finance team to investigate and resolve payment gateway discrepancies, decreasing errors by 55%.
- Built a new API to track delivery logs for KartRider Drift game which records the items users receive upon purchasing them. Conducted unit & manual testing using Postman and TalendAPI to ensure functionality and identify and resolve any issues.

SPOTIFY | BACKEND ENGINEERING INTERN   New York, NY | June 2021 - August 2021
- Kicked off the UI design payment history feature project on Spotify for Artists using React.js to show payment history list for the artist which includes payment date, amount, and currency leading to an additional $2,000 in revenue.
- Created a backend API with Java and Spotify owned CI/CD platform to help deliver code at scale, while enabling graphs on Grafana to monitor service level indicators and objectives increasing efficiency by 100%.
- Collaborated with engineers, product owners, and designers to tackle exciting and challenging problems for the multi-functional agile payment platform team introducing a new feature for 8 million artists.

PROJECTS

VOLTUS SANBOX API - ENERGY USAGE ↗   PYTHON, REACT, FLASK, VOLTUS API
- Implemented a caching mechanism to store retrieved site data locally, reducing API calls and improving performance. Incorporated error handling and configurable cache settings for flexibility and reliability.
- Developed filtering and sorting options to refine displayed sites based on specific criteria.

TRIPEASE ↗   REACT, NODE.JS, JAVASCRIPT, PYTHON, DJANGO REST API, GOOGLE MAPS, AWS
- Built a travel-optimizing full stack web application that aims to centralize all travel-planning resources, and provide itinerary optimizations & recommendations.
- Utilized Google Maps API to query for multiple different destinations, lodgings, and restaurants and rendered them on screen using React and TailwindCSS.
- Implemented a Git repository management system including a protected main branch and individual feature branches for seamless collaboration and code review through pull requests.

CLIMATE CHANGE ANALYSIS ↗   PYTHON, PANDAS
- Using Python to analyze climate data from National Centers for Environmental Information(NOAA) to visualize trends in temperature over time.
- Exploring how to use machine learning algorithms like Random Forest Regression to predict future climate patterns.