Gerardo Garcia

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A dedicated and result-oriented software engineer seeking an entry-level job position in a dynamic firm that will help me contribute my analytical and technical skills in coding and software design to its development while concurrently aiding my personal growth.

Skills

Languages: Java, JavaScript, C++, Python, MySQL, HTML, CSS
Frameworks: React, Redux, MongoDB, Springboot, Docker
Cloud: Amazon Web Services, Heroku

Education

Bachelor of Science in Software Engineering | *San Jose State University, San Jose, CA*   *May 2021*
Coursework: Intro Database Management Systems, Enterprise Software, Wireless Mobile SE, Data Structures & Algorithms, Object Oriented Design, Software Engineering I/II

Projects

Wall Street Market Research

- Refactored existing components that lowered the loading time of the interactive graphs by 30%
- Built a fully functional search component by connecting the application to the IEX Cloud API to fetch financial data using React, improving the search time by 15%
- Cooperated with a team member to implement an analysis component to provide insight into companies' daily financial data, and integrating it to increase project functionality and on-time completion

Gym Membership Subscription

- Architected, implemented, and maintained services that connected the client and server-side for a highly scalable, multi-tenant web application using React, JSP, and the MySQL database
- Deployed the project on AWS Elastic Beanstalk with high availability and scalability, allowing for rapid integration with existing systems
- Developed a REST API using Springboot that achieved an outstanding response time, which was used by other engineers to communicate with the server

Spartan Recipes

- Revised a series of test cases to ensure they cover 90% of the functionality and have a 98% pass rate
- Restructured the user registration system by using Node.js and PostgreSQL to reduce time to register, and to reduce registration error rates by 20%
- Build a filtered search component using Javascript and React that retrieves and displays data from the Edamam API, enhancing efficiency and reducing errors

Chat Messaging Application

- Real-time chat messaging application built with the Stream API, React, and Node.js that is responsive, and easy to use
- Integrated the Twilio API to enable SMS notifications and improve user experience
- Designed a sidebar component allowing users to create and edit channels, as well as send direct messages to other users, all while ensuring excellent stability

Additional Experience

Assistant Behavior Analyst   *August 2016–Present*

- Confer with parents, teachers, counselors, or administrators to apply special educational strategies to resolve students' behavioral problems
- Conduct structured teaching in a school environment and implement changes made to a student's program
- Record data daily and present information about the student's progress to the clinical team