Chris Cebrero . Jarvis Consulting

I hold a Bachelor's degree in Math and Computer Science and have a diverse professional background, interning at SAP, Beatdapp, and Coursera before joining Binance and Coursera as a full-time employee. In my previous experience, I've worked with mostly TypeScript and React. Previously, I've worked as a Software Engineer at Coursera, where I've executed the implementation of several key features for the Educator Admin Dashboard. While my experience predominantly lies in Front-End development, I'm eager to transition into Data Engineering. The software industry captivates me due to its constant challenges, engaging both my logical and creative faculties. My passion for software is fueled by the satisfaction of problem-solving and the dynamic nature of the field, driving my continuous pursuit of growth and excellence.

Skills

Proficient: JavaScript, TypeScript, Linux/Bash, RDBMS/SQL, Agile/Scrum, Git, React.js / React Native

Competent: Python, Java, C++, GraphQL, MongoDB

Familiar: C, Angular, AWS, Ruby, Golang

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_ChrisCebrero

Cluster Monitor [GitHub]: Created a cluster monitoring application utilizing Docker, Linux, Bash and PostgreSQL. Developed a startup script that creates a PostgreSQL instance using Docker. Implemented SQL scripts for efficient table management within a Postgres database which created tables related to hardware specifications and CPU usage. Programmed bash scripts to parse and retrieve essential system information using Regex, and insert them into the corresponding database tables. Manually connected to the PostgreSQL instance to verify information after running scripts. Containerized the application with Docker. Utilized GitHub to host the source code and track any changes. Deployed and automated the process using crontabs, which scheduled bash scripts to run every minute.

Core Java Apps [GitHub]: Grep App: Developed a files processing application using Core Java, Maven, Docker, Lambda Functions and Stream APIs. Engineered to parse any text file with a given Regex pattern within a designated directory. Utilized Maven for dependency management and build processes. Incorporated Lambda functions and Stream API to extract the data. Containerized the application using Docker so it can be deployed across diverse computing environments. Utilized GitHub to host the source code and track any changes.

Highlighted Projects

Web app for Dimensional [GitHub]: Dimensional is a personality testing application that aims to categorize customers across over 100 traits. Engineered API Integrations with RESTful APIs to facilitate personality traits data exchange between the frontend and backend. Developed the frontend using React.js and TypeScript. Implemented cross-device styling using Tailwind CSS for a responsive user experience.

Warbler [GitHub]: Warbler is an application where users are able to post short messages to share thoughts, news, and engage with other users in real-time. Developed the frontend using React.js. Utilized Redux for complex state management. Coded backend API endpoints using Node.js to handle server-side logic. Implemented authentication and authorization middleware using JWT tokens. Stored user information within MongoDB.

Professional Experiences

Software Developer, Jarvis (2024-present): Implemented automated scripts using Bash to increase productivity. Wrote effective SQL queries that optimized data retrieval.

Software Engineer, Binance (2023): Implemented key features on Binance's User Dashboard. Migrated 50+ JavaScript files to TypeScript, reducing the number of runtime errors by 40%. Facilitated a seamless user experience across various devices by migrating from regular CSS to Tailwind CSS. Mentored and supplied valuable resources to interns, resulting in an improvement in the interns' project delivery timelines.

Software Engineer, Coursera (2022): Spearheaded the implementation of Educator Home 2.0, elevating university staff members' user experience and productivity. Engineered API integrations using GraphQL, resulting in an increase in data retrieval speed and improved course tracking efficiency for university staff members. Enhanced test coverage efficiency

and reduced testing time by 40% by migrating Enzyme test suites to React Testing Library. Mentored and onboarded both interns and contractors, advised them on best practices, scoped their projects, and wrote their tickets.

Software Engineering Intern, Coursera (2021): Contributed to the enhancement of the user experience for the Educator Home Dashboard and Course Staff Management Page. Elevated staff productivity in course navigation by implementing Recently Viewed Courses component. Conducted EPIC experiments and A/B testing plans to roll out, and validate the effectiveness of key features. Enhanced accessibility and cohesiveness by 30% through the successful migration from Coursera UI to Coursera Design System.

Education

University of British Columbia (2014-2022), Bachelor of Arts, Applied Mathematics & Computer Science

Miscellaneous

- Volleyball - Experienced volleyball player since middle school, maintaining active participation throughout university and currently engaging in local league tournaments.
- Piano - Piano enthusiast with experience since the age of 3, advancing up until Grade 10 piano lessons, actively participating in recitals and competitions. Currently enjoy playing for leisure and relaxation purposes.
- Music Production - Acquired foundational skills in music production during the pandemic, utilizing any free time to experiment with making music using a MIDI keyboard and Logic Pro X.
- Snowboarding - Began snowboarding in elementary school, enjoying seasonal excursions for recreational snowboarding. Currently focused on mastering terrain park tricks as part of ongoing skill development.