Ruokai Zhao

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FULL STACK DEVELOPER

Full Stack Developer with experience using frontend and backend technologies such as Ruby, Rails, Node, JavaScript, and React. Passionate about learning new things and staying current with the technology. I bring 8 years of experience as a lead financial analyst, with strong quantitative skills and attention to details for accomplishing robust projects.

TECHNICAL SKILLS

Ruby, Rails, Active Record, Action Cable, Action Mailer, JavaScript, React, Redux, Debounce, SQL, PostgreSQL, HTML, CSS Flex, CSS Grid, Material UI, Git, Heroku, WebSockets, RESTful API | Currently learning: Python

TECHNICAL PROJECTS

Dating App - [Github](#) | [Demo](#)
A dating app allowing users to view other users' profiles, chat with matched users and get notifications in real time.
- Built backend with Ruby on Rails with complex custom methods for handling database manipulation.
- Implemented frontend and backend validations to avoid bad data being written into the database.
- Applied advanced CSS like flexbox and grid to layout the interface and optimize for various screen sizes.
- Integrated ActionCable into the app allowing users to chat with each other and get notified in real time.

Shopping App - [Github](#) | [Demo](#)
A modern shopping website allowing users to browse and review various items, add items to cart and checkout.
- Developed backend with Ruby on Rails to handle all the frontend requests and preserve user data.
- Applied Redux to make React components cleaner and codes easier to reuse.
- Implemented authentication and authorization using Bcrypt to enable users to sign up and log in.
- Integrated reset password feature into the app with ActionMailer and robust backend logics.

Marvel Movie Dashboard - [Github](#) | [Demo](#)
An app utilizing a public API to fetch and display detailed information about released and unreleased Marvel movies.
- Developed user interface using JavaScript, React, and improved user experience with responsive design techniques.
- Implemented sorting, filtering and searching functionalities into the application.
- Applied debounce techniques to optimize the app's performance.

EXPERIENCE

K&L Gates, **Pittsburgh, PA** | Senior Financial Analyst   02/2019 - 06/2019
- Conducted monthly and quarterly forecasts using qualitative and qualitative methods, including regression analysis, sensitivity analysis and business models to analyze trends and establish accurate forecasts.
- Improved a model using advanced Excel techniques to reduce the time of daily routing workflow by 20%.

BNY Mellon, Pittsburgh, PA | Strategy Consultant   09/2016 - 06/2017
- Helped BNY Mellon's Client Service Delivery department realize more than $3 million cost savings and revenue generation opportunities by applying Analytics and Data Mining techniques.

ZAXO Polymers, Pittsburgh, PA | Senior Financial Analyst   04/2013 - 08/2018
- Improved and developed complex financial models using past performance and future expectations for the company's quarterly forecast and annual budget preparation processes, resulted in a 10% profit increase.
- Analyzed and interpreted business data to identify trends and anomalies as well as variances relating to productivity and the P&L to drive continuous improvement, which brought 7.5% cost saving.

Hanjiang Corporation, San Francisco, CA | Financial Analyst   03/2011 - 03/2013
- Created complex financial models to analyze the company's financial performance, resulted in a 15% cost saving.
- Raised $1.5 million in funds from investors, helped them create two startups and get their green cards.

EDUCATION

Flatiron School, Pittsburgh, PA | Full Stack Web Development, Ruby on Rails and JavaScript program   05/2022
University of Pittsburgh, Pittsburgh, PA | Master of Business Administration (GPA: 3.83, Dean's list)   05/2017
Dalian University of Technology, Dalian, China | Bachelor of Science in Chemical Engineering   06/2008