

XING VOONG

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Summary

- Software engineer adept at building, deploying, and scaling full-stack apps to AWS with training in ML.
- U.S citizen.

Technical Skills

Front End: React, Javascript/HTML5/CSS3.

Backend: Python, Java, JavaScript, SQL, Node.js, Express, Flask, MySQL, PostgreSQL, MariaDB, MongoDB

Data Science: pandas, numpy, matplotlib, scikit-learn, relational, non-relational and graph database.

Testing/Deployment: Jest, Mocha, Chai, React Testing Library, K6, AWS: EC2/RDS/S3.

Developer Tools: Git, Unix/Linux, Agile Methodology, Webpack, Babel, Celery.

Software Engineering Experience

Software Engineer, Machine Learning Infra, Amazon, Sunnyvale | Neptune, Gremlin, AWS, Java 03/2022

- Explored, researched and implemented potential solutions to monitor a 10 TB graph database that contained 2 trillion of nodes.
- Designed and built backend APIs for web applications that supported both Amazon internal and external customers.

Software Engineer Intern, Creatory, Vietnam | Python, SQL, Flask 2020

- Designed and developed a new feature that displays fan information and their relationship with influencers.
- Developed internationalization for the web app.
- Implemented sentence embedding algorithms for sentiment analysis.

Lab Assistant for Data Structures and Algorithms, UC Berkeley 08/2018 – 01/2019

- Tutored 100+ students to create a solid foundation in Data Structures and Algorithms in Java.
- Debugged projects, homework, and labs for Computer Science students.

Projects

Architecture Lead, Software Engineer | React | Node.js | MongoDB github.com/DeepBlue-Designs/best-eats-inc

- Investigated and determined the tech stack and implementation for full-stack application of meal planning and user-specified health and wellness goals.
- Set up git workflow, reviewed merge and pull requests to ensure the team was following best practices.
- Implemented login/signup pages with authentication to improve access and security.

Back-end Engineer | Node.js | K6 | PostgreSQL | AWS | EC2 | Nginx github.com/Adept-Adobo/Question-Answer

- Reduced latency from 5s to under 50ms by identifying a database bottleneck with query planner and refactoring the expensive nested filter clause.
- Expanded endpoint capability from 100 to 4000 requests per second, with 0.0% error for an average response time of 62 ms.
- Deployed the app to three EC2 t2.micro instances with the least connected method and proxy caching implemented in Nginx.

Front End Engineer | React github.com/xingvoong/pet-me

- Designed and implemented a React.js game that simulates a virtual pet that is pet-able and walkable

Front End Engineer | React github.com/Impreffively/Project-Catwalk

- Redesigned clothing website to improve U.I/U.X and time to first paint from 1.0+ seconds to sub 800ms.
- Improved security by refactoring client and server to transition sensitive API keys to the server.

Education

Hack Reactor, San Francisco, Advanced Software Engineering immersive program 09-2021

University of California, Berkeley, B.A. in Data Science (emphasis in Computer Science) 12-2019