

Andrew Wang

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FREELANCE

Discover Learning Center

Jul. 2018 – Jan. 2024

Web Development Consultant (JavaScript, Django, Python, MySQL)

- Engineered a course management system using Django for over 1,000 students annually
- Deployed a highly-available and scalable web application using AWS Elastic Beanstalk
- Implemented role-based access control and authentication to ensure secure access to student data
- Executed a comprehensive SEO strategy, resulting in a 200% increase in organic search traffic and 20,000 new conversions within a year

Everest Pro

Jul. 2019 – Apr. 2022

Web Development Consultant (Node.js, SCSS, HTML)

- Optimized local search engine rankings, leading to 35,000 interactions with a 50% new user engagement rate
- Developed and maintained microservices architecture on Google App Engine, utilizing services such as Cloud Datastore and Cloud Storage for seamless integration and scalability
- Developed custom CMS in Node.js for blog content management

EXPERIENCE

American Express

Feb. 2023 – Present

Software Engineer (React, JavaScript, Python, Java, MySQL)

- Designed and enhanced dynamic grid, search, and tooltip components used across a data ingestion platform
- Applied design patterns to refactor React components into reusable modules, reducing redundancy by up to 300%
- Documented React best practices and revamped code review processes across a team of 12 engineers to improve code structure and maintainability by 50%

Precise.ly

Feb. 2022 – Oct. 2022

Software Engineer (Clojure, React, Svelte, Figma)

- Designed a new landing page using Svelte, leading to an improvement of website traffic and conversions by 10x
- Engineered mobile and web prototypes in React for a medical application presented to investors
- Architected robust role-based authorization in Clojure, ensuring security of staff and patient data

Aurora

May 2021 – Aug. 2021

Software Engineer (C++, Python, React, TypeScript)

- Built modular React library to enable extensions on top of an open source platform (kepler.gl), increasing extensibility and reducing development time by 30%
- Proposed and documented 5 distinct architectures for a route analysis tool for autonomous vehicles, facilitating review from the mapping team and vehicle operators
- Created gRPC service layer to support map and routing data communication between disparate systems

EDUCATION

University of Virginia

Graduated May 2022

Bachelor of Science (Computer Science)

GPA: 3.98

SKILLS

Programming Languages: HTML, CSS, JavaScript, TypeScript, SCSS, Python

Frameworks: React, Svelte, Node.js, Django, Flask

Tools: AWS, Google Cloud, Docker, Jest, Selenium, Git, Gulp, Bash, Webpack