Ziping Liu

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As a visionary software engineer with a passion for innovation, I've spent over 5 years mastering the art of crafting exceptional digital experiences. With a robust foundation in Node.JS, AWS, TypeScript, and React, I've built a reputation for delivering high-quality solutions that drive results. My expertise in DevOps and CI/CD systems has enabled me to make meaningful contributions to open-source projects and cutting-edge web applications. Most recently, I had the privilege of serving as a Software Development Engineer at Amazon Web Services, where I played a key role in shaping the future of IoT services, deploying and implementing backend services that leveraged AWS capabilities, and leading efforts to enhance accessible UX text. Although my tenure at AWS came to an end due to company-wide restructuring, I remain committed to my craft and am now eager to join a dynamic team where I can leverage my DevOps, Node.JS, and React expertise to drive innovation and growth. Resume rendered on-demand at 5/17/2024, 3:28:01 PM via ziping.liu.academy.

Experience

Software Development Engineer (Full-time)
Amazon Web Services

March 2020 to May 2022
Seattle, Washington

- As a software development engineer, I worked on AWS IoT services, actively engaging in backend, frontend, and DevOps. I collaborated with lead engineers to enhance operational efficiency by creating sophisticated protocols and comprehensive frameworks for continuous integration and deployments.
- I was instrumental in frontend feature development, particularly on React - and worked closely with our UX team to ensure technically feasible UX designs.
- I deployed and implemented backend services related to AWS services for my team, which included utilization of Lambda, API Gateway, ECS, CDK, CloudFormation, and S3, and utilized Java, JSP, and SQL for backend services.
- Given my critical point of contact role, I enabled our technical writing teams to understand our backend and frontend services fully and led revisions in accessible UX text through empathic and inclusive writing stylizations.
- After my time at Amazon Web Services, I focused on significant personal development, honing my technical and problem-solving abilities. I use WakaTime's tracking system to monitor my publically viewable coding activity and time, which allowed me to identify patterns, productivity levels, and areas for improvement in my programming habits.
- Through this self-driven exploration, I broadened my software development knowledge, particularly in React, Node.js, express.js and RESTful API's. Learn more about my time spent after working at AWS at (https://liu.ziping.org/r/linkedinliu). Be sure to checkout my WakaTime profile (https://wakatime.com/@aws) that can be found further below in the Social Links section.
- I current work on open source projects that have been used by thousands of people each month, checkout my npm profile which showcases ongoing projects at (https://www.npmjs.c… ullc).

Software Engineering Intern
Texas Instruments

May 2019 to August 2019
Sugarland, Texas

- I spearheaded a team project for TI's annual internship design challenge, creating a local, voice-controlled spice-rack, viewable here: https://www.hackster.io/spicerack-team/voice-controlled-spice-rack-235834

Patent Engineering Intern
Holland and Hart LLP

May 2017 to August 2017
Boulder, Colorado

- I was interested in legal aspects of IP and patent law, and worked with a team of patent attorneys to draft and file patents for clients.

Electrical Engineering Intern
TICOM Geomatics (CACI)

June 2016 to August 2016
Austin, Texas

- Worked within a defense contractor, providing a different environment from both private and public sectors. Worked on signal processing and software defined radio (SDR) projects.

Electrical Engineering Intern
Hewlett Packard Enterprise

June 2015 to August 2015
Houston, Texas

- I implemented automated full color spectrum factory calibration with full color spacing at the production pipeline floor levels involved in laptop manufacturing.

Education

University of Texas at Austin — Cockrell School of Engineering
Bachelor of Science in Computer and Electrical Engineering
Graduated Fall 2019

University of Texas at Austin — College of Liberal Arts
Bachelor of Arts in Asian Cultures and Languages
Graduated Spring 2019

Projects

Continuous Deployment and Integration through Github with my open source library React embed PDF's using Adobe's Embed API - August 2022 to Present

- As a distinguished leader in development operations (see: https://ziping.org/accolades), I have always been captivated by this challenge and persistently aimed to improve existing procedures.
- With the universal acceptance of GitHub as the premier platform for monitoring code alterations and the accessibility of advanced features and tools, I embarked on a personal journey to investigate the potential of harnessing these resources to establish a comprehensive continuous deployment and integration system, even as a complimentary user. I successfully engineered and presently sustain a functional continuous deployment and integration system for one of my most active projects on GitHub (viewable via the redirect link: https://zi-ping.com/projects/react-adobe-embed). The react-adobe-embed project utilizes React and Adobe's Embed API to create a seamless integration of PDFs into web applications as a custom react component and has been used by thousands of users each month.

Pin-Yin Annotator Tool for Chinese (Mandarin) Characters Web Application - June 2023 to Present

- A complimentary online text editor designed with the capability to append pin yin as annotated text to Chinese characters. This tool was born out of my personal struggle to locate an annotator that was user-friendly and harnessed the power of the most recent web technologies This project utilizes React, Vite, as well as backend Node.js (RESTFUL API)..
- This tool is still in development and is free to use at https://pinyin.ziping.org

Notable Skills

TypeScript or JavaScript	React or React.js	Java	JQuery	JSP	Git	Node.js	Cypress	REST	HTML	CD/CI	CSS/SASS	Spring	MySQL

Social Links

LinkedIn   Github   Wakatime   CodeSignal   Blog   YouTube

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