Wensong Zhang

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EXPERIENCE

Software Engineer Mid-Level - Web and Mobile Development - SyncSo
April 2024 – Current

- Developed full-stack web solutions using **JavaScript**, **Node.js**, **React Native** and **MongoDB**, enhancing functionality and user engagement for several e-commerce platforms.
- Led the migration of legacy systems to cloud-based infrastructure on **AWS**, overseeing the comprehensive redesign and deployment processes to enhance scalability and operational efficiency.
- Authored and maintained **technical documentation** and **system architectures**, facilitating knowledge sharing and continuity in development processes.

AI Advanced Coder - Outlier
January 2024 – July 2024

- Created and fine-tuned advanced **AI models** for various applications, leveraging state-of-the-art techniques in machine learning and deep learning.
- Enhanced the **performance and efficiency** of existing codebases, reducing computation time and improving overall system responsiveness.
- Led multiple AI projects from conception to deployment, ensuring timely delivery and adherence to project requirements.

AI Writing Evaluator - Tier 2 - Outlier
November 2023 – January 2024

- Conducted rigorous testing and validation of AI writing outputs, identifying and addressing inconsistencies and errors.

Full Stack Software Developer - BeaconFire Solution
August 2022 – November 2023

- Implemented **lazy loading** techniques to enhance web application performance and land harnessing the power of **Redux** for efficient data management.
- Employed **React.js** and its Hooks to manage state in functional components, ensuring efficient lifecycle management and responsive user interfaces, while also demonstrating proficiency in **TypeScript** for enhanced code reliability and maintenance.
- Created secure RESTful back-end services using **Node.js** and **Express.js**.
- Developed and maintained the website using **Material UI**, implemented authentication with **OAuth 2.0** and **JWT**, and managed **MongoDB** schema and **AWS S3** buckets.

Software Development Engineer Intern - Ehelp Company, Inc.
May 2022 – July 2022

- Collaborated on a team to develop and test new features for the company's application by using **React.js** and **React Native**.
- Experienced in implementing **CI/CD** pipelines, streamlining the software development lifecycle.
- Proficient in setting up, configuring, and maintaining **Jenkins** pipelines for automated builds, tests, and deployments.

Software Engineer Front-end - Ubisoft
September 2020 - September 2021

- Developed and implemented front-end solutions for web applications using modern JavaScript frameworks such as **React.js**, and utilized **React Router Dom** for navigation and redirection to different pages.
- Used **reducers** to receive actions from action creators to update store state in **Redux**.
- Implemented **Responsive Web Design** techniques, utilizing **flexible grids** and **Sass** for enhanced styling capabilities.
- Collaborated within **Agile** teams, actively engaging in daily stand-up meetings, sprint planning, and retrospectives to ensure the achievement of project goals.

Software Tester (Quality Control) - Ubisoft
June 2020 - September 2020

- Conducted comprehensive **testing of software products** to identify and document bugs, glitches, and other issues.

PROJECTS

Personal Website: wensongzhang.com
May 2023 – August 2023

- Developed a responsive website using **Next.js** to provide a seamless user experience and optimize server-side rendering
- Implemented a modern and visually appealing design with **TailwindCSS**, enhancing the website's aesthetics.
- Deployed the website on **Vercel** for fast, reliable hosting and continuous integration, ensuring optimal performance and accessibility.

EDUCATION

Northwestern University, Master of Science in Computer Science		*2021 - 2022*
George Mason University, Bachelor of Science in Computer Science		*2016 - 2020*
Chongqing University of Posts and Telecommunications, Bachelor of Engineering in Software Engineering		*2015 - 2020*

SKILLS

Programming Languages: JavaScript, TypeScript, HTML5, CSS3, GraphQL, Python, Java, C, C++, C#, SQL.
Framework and Library: React.js, Node.js, Next.js, Redux, React Native, WebSocket, jQuery, Bootstrap, TailwindCSS.
Database: MySQL, MongoDB, AWS, Oracle, PostgreSQL.
Developer Tools: Git, GitHub, JIRA, Postman, npm, Webpack, Babel, VS Code, Visual Studio.