Yujie Peng

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LinkedIn GitHub Portfolio

Summary

Full Stack Developer with expertise in Node.js, RESTful APIs, and cloud-native applications. Proficient in building scalable backend systems and integrating modern cloud technologies like AWS. Strong track record of delivering high-performance solutions in agile environments, focusing on code quality and efficiency.

Skills

Programming	Frontend	Backend	Tools
JavaScript, TypeScript, Java, Python, C++	React, HTML/CSS, Next.js, Web APIs, Tailwind CSS	Node.js, Django, GraphQL, RESTful API, PHP	Git, CI/CD, AWS, Figma, Docker

Experience

AI-Education Research Lab, Simon Fraser University May 2024 - Present
Lab Assistant / Research Developer

- Spearheaded the design and development of an AI-based grading tool integrated with Canvas LMS, optimizing system architecture for scalability and performance using Docker and Ollama.
- Engineered RESTful APIs to ensure seamless data communication between frontend and backend components, improving response times by 20%.
- Collaborated with a cross-functional team to deliver projects on time, contributing to a 15% increase in grading efficiency for educators.

Bytedance - TikTok E-Commerce Operations Manager Sep. 2021 - Dec. 2022

- Enhanced backend systems that improved seller onboarding processes, surpassing targets by over 100%.
- Led web content and structure optimization efforts, driving a 10% increase in sales event engagement.

Trip.com - Marketing Manager Jul. 2017 - Apr. 2021

- Directed digital marketing projects, increasing user engagement by 12% through improved CMS operations and strategic content management.
- Partnered with design and development teams to enhance e-commerce platforms, boosting user experience and conversion rates.

Projects

Research Developer - Copilot Grading Tool May 2024 - Present

- Developed an AI-assisted grading extension for Canvas LMS using Docker and Plasmo, reducing the grading process to a single click and achieving a 15% increase in time efficiency.

Developer - Purrfect Neighbors Jun. 2024 - Aug. 2024

- Built a React frontend and a Node.js backend for the pet adoption platform, optimizing queries with GraphQL and Redis caching, resulting in a 25% improvement in data retrieval speed.
- Integrated AWS S3 for secure data storage and implemented RESTful APIs to enhance front-end communication.

Full Stuck Developer - EasyGrammar Feb. 2024 - Apr. 2024

- Conducted the design and development of an AI-based English learning app using React, Tailwind CSS, OpenAI API, focusing on responsive web design and user experience.

Designer & Developer - My Portfolio Feb. 2024 - Mar. 2024

- Designed and built a portfolio website using Next.js and TypeScript, incorporating Tailwind CSS for responsive design and Framer Motion for dynamic interactions, achieving a 100% accessibility score.

Education

Langara College Jan. 2023 - Aug. 2024
GPA: 4.00, Dean's List for 4 semesters Diploma in Computer Studies

Wuhan University of Technology Sep. 2011 - Jun. 2017

Master of Journalism and Communication; Bachelor in Laws