

Derek Jeong

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Technical Skills

Programming Languages: JavaScript, TypeScript, Go, Python, PHP

Frameworks & Tools: React.js, Vue.js, Video.js, Next.js, Tailwind CSS, RESTful APIs

Cloud & DevOps: AWS (S3, RDS, Lambda, SQS), Docker, Git, Cron, CloudWatch

Databases: MySQL, MongoDB, RedShift

AI/ML: AWS SageMaker, OpenAI APIs, TensorFlow, PyTorch

Experience

Software Engineer, Ezoic Inc. – Carlsbad, CA

March.2022 – June.2024

- Built and scaled the Humix video platform, using Go (backend) and Vue.js (frontend), reaching thousands of content creators.
- Cut video buffering by ~30% and improved Core Web Vitals via Video.js optimizations, boosting ad revenue and SEO.
- Integrated AWS SageMaker and ChatGPT to auto-generate video tags and match content, increasing watch time and engagement.
- Developed scalable microservices using Go, Lambda, and SQS, supporting batch uploads and video processing.
- Provided emergency support coverage and production bug fixes via CloudWatch and Opsgenie, ensuring 24/7 platform reliability.

Frontend Developer, Wizrds LLC. – Sacramento, CA

June.2021 – January.2022

- Managed web development projects, optimizing cross-browser and multi-platform responsiveness using HTML/CSS and JavaScript.
- Optimized web development projects for cross-browser and multi-platform responsiveness using HTML/CSS and JavaScript.
- Implemented user-friendly interfaces and functionalities using React.js.
- Integrated TypeScript with MongoDB for efficient data storage and retrieval, improving application data management.
- Collaborated with UX/UI designers to implement UX/UI improvements, resulting in a more intuitive user interface.

Projects

Humix.com | JavaScript, Vue.js, Go, AWS, MySQL, Video.js

2022 – June.2024

- Built from scratch a video content platform enabling creators to upload, embed, and monetize videos.
- Engineered RESTful APIs in Go and managed video lifecycle (upload, processing, analytics).
- Used SageMaker for smart video matching and OpenAI APIs for automatic categorization.
- Managed cloud infra on AWS ensuring high availability and fast delivery with optimized DB queries.

Check-crypto | JavaScript, React, Go, AWS

2024 – Present

- Developed a web-based platform providing trust levels of cryptocurrencies for all users, acting as a scam checker.
- Implemented backend services using Go and AWS to analyze and verify cryptocurrency data.
- Designed and developed the front end with React.js to ensure a user-friendly interface.
- Integrated RESTful APIs to fetch real-time data on cryptocurrency legitimacy and potential scams.

Education

Oregon State University – Honors Bachelor of Science in Computer Science, GPA 3.86

2017 – 2021

- Research: Data Analysis and Visualization with Unreal Engine - URSA Engage 2019 with Dr. Raffaele de Amicis
- Thesis: Improve the Grasping Performance by Analyzing Target Objects with Computer Vision and Deep Learning Algorithm - Honors College Thesis with Dr. Cindy Grimm and Oregon State University Robotics team