Kevin Ly

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Education

California State University, Fullerton   **Aug. 2022 – Dec. 2024**
Bachelor of Science in Computer Science   *Fullerton, CA*

Relevant Coursework: Data Structures & Algorithms, Software Engineering, Web Development, Database Management, Open Source Software

Technical Skills

Languages: JavaScript, Python, TypeScript, Java, Go, C#, SQL, C++, HTML/CSS
Technologies/Frameworks: React, Next.js, Node.js, Express, Flask, GraphQL, Socket.IO, TailwindCSS
Developer Tools: Git, GitHub, Linux, Firebase, MongoDB, MySQL, Postman, Docker, Kubernetes, AWS, TensorFlow

Experience

YAAANA   **May 2024 – August 2024**
Software Engineer Intern   *San Diego, CA*

- Implemented and optimized user settings features in a cross-platform social media application, using Flutter, Dart, and Firebase, ensuring seamless user data modification and storage.
- Increased app stability by 40% by conducting rigorous Android simulation testing, verifying functionality before deployment to iOS and Windows environments.
- Accelerated development speed by 80% by actively participating in Agile Scrum with weekly team leader meetings, ensuring efficient sprint planning, code reviews, and iterative improvements.

Freelance   **January 2023 – May 2024**
Full Stack Developer   *Remote*

- Designed and deployed full-stack web applications that boosted client engagement by 45%, implementing responsive UI/UX, optimized workflows, and real-time interactions.
- Architected scalable databases and integrated secure payment processing, reducing transaction errors by 60% and ensuring PCI-compliant handling for real-user payments.
- Increased client satisfaction by 50% by delivering custom software solutions, effectively aligning product features with business goals through direct communication with stakeholders.

Projects

Algorithm Code Management Platform | *Next.js, TypeScript, TailwindCSS, Firebase, ESLint, SendGrid*

- Led a team of 3 developers to build a full-stack code management platform, scaling to 50+ daily active users with a modular, reusable component-based architecture.
- Optimized authentication flow by integrating Firebase Authentication (Google/GitHub OAuth) and SendGrid, achieving 100% email deliverability for real-time feature updates.

Real-Time Coding Collaboration | *React, Node.js, Express, MongoDB, Docker, Socket.IO, Judge0 API*

- Developed a real-time collaborative coding platform, enabling live code-sharing, chat, and problem-solving using Socket.IO for low-latency synchronization.
- Enhanced performance by 80% by integrating Judge0 API for real-time code execution and improving server efficiency by 40% through Docker containerization.

Chatbot | *Flask, Python, RESTful APIs, VS Code*

- Collaborated with 3 developers to build a rule-based chatbot using predefined patterns and fuzzy matching algorithms for enhanced response accuracy.
- Integrated OpenAI's API, achieving 90% user satisfaction by delivering context-aware responses and automating dataset updates.

Leadership

AlgoSync   **June 2024 – Present**
Founder & Technical Writer

- Founded and led a community platform dedicated to connecting programmers for knowledge sharing, tech discussions, and professional development in the tech industry.
- Created educational content through blog posts and YouTube videos, providing valuable insights and fostering collaboration among tech enthusiasts.