Kevin Ly

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Summary

Motivated new grad Software Developer with hands-on experience in full-stack development, real-time systems, and cloud infrastructure. Led a Top 3 hackathon project, AlgoLocker, used by 70+ daily users with secure authentication, email notifications, and high-utility functionalities. Founder of AlgoSync, a developer community promoting technical growth and best engineering practices. Proficient in React, Next.js, Node.js, Express, TypeScript, and SQL/NoSQL. Strong foundation in computer science principles, REST API design, full-stack development, Git-based version control, and cross-functional collaboration.

Skills

- **Language:** JavaScript, Python, TypeScript, Java, SQL, C#, HTML/CSS
- **Frontend & Backend:** React, Next.js, Node.js, Express.js, Flask, Socket.IO, TensorFlow
- **DevOps & Tools:** Git, GitHub, Docker, Kubernetes, Prisma, Linux, Postman, AWS, Vercel, Android Studio, VS Code
- **Databases:** MongoDB, MySQL, PostgreSQL, Firebase

Experience

Technical Writer, Forem – Remote | Profile   Dec 2024 – Present
- Reached 1K+ readers by publishing 5+ application development articles, increasing engagement by 60%.
- Improved reproducibility by using Git and GitHub to maintain version-controlled code samples, boosting reader trust.
- Boosted engagement by simplifying complex programming topics, leading to higher shares and read time.

Software Engineer Intern, YAAANA – San Diego, CA   May 2024 – Aug 2024
- Improved user data completeness to 100% by building a cross-platform onboarding system using Flutter and Firebase.
- Enabled secure sign-in by integrating Firebase Auth with REST APIs to support 10+ concurrent users without failures.
- Reduced bugs by 90% through end-to-end testing and debugging on the Android Emulator.

Full-Stack Developer, Freelancer – Los Angeles, CA   Jan 2023 – May 2024
- Delivered 2 full-stack applications using React, Node.js, and SQL/NoSQL, improving client tools and business systems.
- Enabled secure transactions and file storage by integrating Stripe and AWS S3 to support payments and book images.
- Reduced delivery cycle by 30% by applying Agile practices and version control with Git across distributed teams.

Projects *(More on Portfolio)*

AlgoLocker | LeetCode Solution Manager for Interview Practice   Live Site
- Ranked Top 3 out of 200+ participants by leading a team to build a LeetCode tracker using Firebase and Next.js.
- Scaled to 70+ daily users by adding Firebase Auth, CRUD, and email notifications for automated tracking.
- Increased usability by designing a responsive UI and integrating a code editor to improve coding workflow.

CodeMate | Collaborative Coding Environment with Real-Time Editing and Testing   GitHub
- Built a real-time collaborative coding platform with under 100ms sync latency using WebSockets and Docker.
- Supported multi-language execution by implementing REST APIs with Judge0 to return results within 10 seconds.
- Secured login flow by integrating GitHub OAuth and custom authentication to reduce login friction.

Leadership

Founder, AlgoSync Developer Community – Remote | YouTube   Dec 2024 – Present
- Grew a developer community to 70+ members by publishing weekly technical blogs to drive engagement.
- Boosted reach by 70% by repurposing blog content into video explainers across YouTube and social media.
- Promoted collaboration by organizing discussions to support open knowledge sharing.

Education

California State University, Fullerton – B.S. in Computer Science   Aug 2022 – Dec 2024
Orange Coast College – A.S in Computer Science | **Awards**: Honor's List (GPA 3.5 – 4.0)   Aug 2019 – May 2022