JAMES LIU

US Citizen — Los Angeles, California

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Summary

Full-stack developer specializing in building scalable web software applications using technologies such as React, Next.js, TypeScript, and more, from database design to user interface implementation. Proven track record of architecting and deploying production-ready SaaS platforms, with experience in AI integration.

Technical Skills

Languages/Frameworks: TypeScript, Python, JavaScript, React, Next.js, Node.js, PostgreSQL, HTML, CSS, Java, C
Developer Tools: Git, GitHub, AWS, Agile, Netlify, Vercel

Education

University of California Los Angeles   **Exp. Grad Jun 2027**
B.S. in Math of Computation (UC GPA: 4.00/ 4.00)   *Los Angeles, California*
– **Related Coursework:** Software Development, Object Oriented Programming, Data and Control Structures, Algorithms, Computer Systems and Assembly Language

Work Experience

SwiftyMail (*https://swiftypremium.com*)   **July 2025 – Present**
Full Stack Engineer   *Remote*
– Developed a full-stack SaaS platform using Next.js and TypeScript, serving **50+ users** and facilitating over **100+ email campaigns**
– Designed and integrated **AI-driven email generation** using **OpenAI**, creating personalized email templates.
– Developed **backend services** with **Supabase (PostgreSQL)** optimizing complex queries for user profiles through Google OAuth and email campaign history
– Engineered **serverless REST APIs** in Node.js/Next.js for **bulk email dispatch (100+ emails/session)** with **batching, retry logic, and logging** to ensure reliability at scale.
– Optimized **front-end responsiveness and UX** using **React**, **Tailwind CSS**, and **component-driven design**, improving user adoption and engagement.

Lasik Eye Center   **Jul 2023 – Dec 2023**
Data Analyst Intern   *Buena Park, CA*
– Built a **Python-based ETL pipeline** (**Pandas, pdfplumber, gspread**) to process **100+ PDF files weekly**, automating data extraction and reducing manual entry errors by **95%**.
– Digitized and centralized **5,000+ patient medical records**, cutting file retrieval time to **30 seconds** and enabling seamless database queries for clinical and operational use.
– Leveraged **programming and data pipeline skills** to improve operational workflows, demonstrating ability to translate **complex processes into scalable software solutions**.

Projects/Activities

Thumbnail/Website Media Agency (*https://zhidesign.framer.website/*)   **Dec 2023 – Present**
Freelancer
– Collaborated with 15+ clients to design and launch responsive websites and social media assets, enhancing brand presence and digital visibility.
– Developed custom websites using **React**, **Next.js**, and **TailwindCSS**, **Framer**, improving site performance and user experience.
– Contributed to client growth, helping achieve a combined reach of **8M+ views** across TikTok, YouTube, Instagram, and client websites

SalemWFS VSL Landing Page (*https://salemwfs.vercel.app*)   **Jun 2025 – Aug 2025**
Full Stack Developer
– Built a full-stack, responsive **Video Sales Letter (VSL) landing page** that reduced load times to **under 4 seconds**, significantly improving user experience and engagement.
– Designed and implemented a **Firebase Firestore schema** for secure data storage and querying, achieving **99.9% uptime** while ensuring compliance with client data policies.
– Developed an **automated lead capture system** with **Firebase + Zapier**, enabling targeted email campaigns and driving measurable **increases in conversion rates**.