Jialin Yang

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PROFESSIONAL SUMMARY

Results-driven Software Engineer with 6 years' experience building web applications.

CORE TECHNICAL SKILLS

Languages: TypeScript, Python, JavaScript, SQL, HTML, CSS
Frontend: React, Next.js, Tailwind CSS, React Query, Zustand, Recoil, SAPUI5
Backend: FastAPI, RESTful APIs, PostgreSQL, Redis, Tortoise ORM, SQLAlchemy, SAP HANA
Cloud & Deployment: GCP, Vercel, Docker, SAP BTP
Tools & Testing: Git, CI/CD, pytest, PostHog
Methodologies: Agile Development

OTHER SKILLS

PHP, Java, C, C++, Scala, OCaml, Node.js, Express, Render, Firebase Auth, Stripe

PROFESSIONAL EXPERIENCE

Nuve Platform (Closed)   **Chicago, IL**
Founding Software Engineer   Jul 2021 – Dec 2024
- Led frontend development and maintenance of the company's SaaS web platform using Next.js, TypeScript, and Tailwind CSS, delivering seamless digital experiences to 7 enterprise clients.
- Boosted application performance and responsiveness by 35% through strategic Zustand integration for state management, significantly reducing unnecessary re-renders.
- Designed and implemented scalable asynchronous FastAPI backends with Tortoise ORM and PostgreSQL, co-developing API routes and managing database migrations.
- Streamlined infrastructure management and instance creation by integrating cloud automation solutions using GCP APIs.
- Translated Figma designs into a responsive, production-ready marketing site deployed on Vercel, ensuring optimal performance and cross-device compatibility.
- Enhanced analytics tracking by integrating Google Analytics and PostHog, providing data-driven insights for continuous platform improvements and user behavior analysis.

10xCoding (Closed)   **Chicago, IL**
Application Developer   Feb 2019 – Jun 2021
- Implemented advanced CRUD operations for sales documents, integrating custom search, email functionalities, and credit card processing, enhancing business efficiency.
- Optimized OData data transfers from SAP ECC systems, collaborating with backend teams to significantly enhance API response times and reduce latency by 50%.
- Architected and independently built a comprehensive internal time-tracking system (PTO, sick leave, approval workflows, expense reimbursement with image uploads) leveraging SAP HANA and SAPUI5.

Intern   Jun 2018 – Dec 2018
- Developed a transaction code lookup tool as a Fiori application on SAP Cloud Platform, reducing transaction search time from 10 seconds to 3 seconds.

PROJECTS

Knowli   *jialinyang.com/knowli*
- Built and launched an iOS learning app delivering bite-sized AI-generated knowledge, featuring daily free taps, in-app purchases, and AdMob integration.

Minibunn Planner   *minibunnplanner.com*
- Built a frontend tool for freelance consultants to rapidly generate and export client quotes via one-click PDF with session-storage persistence.

Minimal Pricing App   *minimalpricing.com*
- Built a frontend tool for freelance consultants to rapidly generate and export client quotes via one-click PDF with session-storage persistence.

EDUCATION

Illinois Institute of Technology

M.S. in Information Technology & Management (Software Development)   Jan 2018 – Dec 2018

University of Illinois at Urbana Champaign

B.S. in Mathematics & Computer Science   Aug 2013 – May 2017