

# Jialin Yang

[yangjialin94@gmail.com](mailto:yangjialin94@gmail.com) • (413)275-4648 • Plainview NY, 11803  
[linkedin.com/in/jialin-yang-iy](https://linkedin.com/in/jialin-yang-iy) • [jialinyang.com](http://jialinyang.com)

## PROFESSIONAL SUMMARY

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Software Engineer with experience in building and optimizing scalable web applications using React, Next.js, and FastAPI. Skilled in state management, performance optimization, and DevOps tools for building efficient, maintainable applications.

## CORE TECHNICAL SKILLS

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- **Programming Languages:** TypeScript, Python
- **Frontend:** Next.js, React, Zustand, Tailwind CSS, Vercel
- **Backend:** FastAPI, PostgreSQL, Redis, RESTful APIs, WebSocket
- **DevOps:** Docker, CI/CD

## PROFESSIONAL EXPERIENCE

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### Software Engineer

Nuve, Remote

Jul 2021 – Dec 2024

- Collaborated with a team to develop Nuve's web platform using Next.js, React, Tailwind CSS, and TypeScript, ensuring high performance and smooth deployments via Vercel.
- Optimized frontend state management with Zustand, reducing unnecessary re-renders and enhancing user interactions.
- Contributed to building an asynchronous FastAPI backend with Tortoise ORM and PostgreSQL, supporting scalable and efficient data operations.
- Implemented integrations with AWS, Azure, and GCP APIs, helping automate cloud infrastructure and streamline server provisioning.
- Enhanced analytics tracking by integrating Google Analytics & PostHog, supporting data-driven improvements for the platform.

### Application Developer

10xCoding, Chicago, IL

Feb 2019 – Jun 2021

- Developed and deployed SAP Cloud Platform applications using JavaScript, SAPUI5, and OData, collaborating with backend teams on enterprise solutions.
- Independently designed and built an internal time-tracking system with PTO tracking, approval workflows, and expense reimbursement, improving payroll accuracy and reducing manual admin tasks.
- Optimized OData data transfers in SAP ECC, improving API response times and reducing system bottlenecks.

### Application Developer Intern

10xCoding, Chicago, IL

Jun 2018 – Dec 2018

- Built a T-Code lookup Fiori app using SAPUI5, JavaScript, OData, ABAP, and SAP Cloud Platform.

## ADDITIONAL PROJECTS

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### Gender Reveal Puzzle Game

Ongoing, Started Feb 2025

- Developing a real-time, interactive web app using Next.js, FastAPI, WebSockets, and Redis, where guests collaborate to assemble a hidden gender reveal image.

- Implemented QR code-based room joining and state persistence using Redis and Zustand, allowing users to rejoin a session if disconnected.

#### **Minimal Pricing App**

*Feb 2025*

[minimapricing.com](http://minimapricing.com)

- Developed a frontend-only contract pricing platform with dynamic cost calculations and PDF generation.
- Utilized Session Storage for temporary data storage, ensuring a smooth user experience.

### **EDUCATION**

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#### **M.S. in IT & Management**

*2018*

*Illinois Institute of Technology, Chicago, IL*

#### **B.S. in Mathematics & Computer Science**

*2013 - 2017*

*University of Illinois Urbana-Champaign, Champaign, IL*