

# Lin Jing An

## Senior Software Engineer

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### PROFILE

Senior Full-Stack and AI Engineer with 8+ years of experience designing and delivering scalable web platforms and production-grade AI systems. Strong background in building RAG pipelines with OpenAI, LangChain, and LlamaIndex, deploying machine learning models with PyTorch and TensorFlow, and optimizing low-latency inference services using FastAPI and Node.js. Proficient in React, Next.js, Node.js, and Python, with solid expertise in secure API design, CI/CD, Docker, Kubernetes, and cloud infrastructure across AWS and Azure. Proven track record of leading teams and shipping reliable, high-performance software solutions from architecture through production.

### EDUCATION

**Bachelor's degree / Computer Science**  
National University of Singapore

05/2014 – 09/2018 | Singapore

### PROFESSIONAL EXPERIENCE

#### Senior Full Stack Engineer

03/2022 – 08/2025

Bearplus

- Engineered full-stack applications with React, Next.js, and Node.js, supporting 10K+ concurrent users at 99.9% uptime.
- Integrated AI-powered features with OpenAI, LangChain, and LLM APIs, increasing automation efficiency by 30% and boosting user engagement.
- Deployed machine learning models with PyTorch and TensorFlow, achieving production-grade inference performance and reducing latency by 30%.
- Created secure REST and GraphQL APIs with authentication and authorization layers, enhancing system reliability and data security by 25%.
- Set up CI/CD pipelines with automated testing and containerized deployments (Docker, Kubernetes), cutting release cycles by 80%.
- Enhanced backend performance through database tuning, Redis caching, and scalable architecture design, cutting response times by 0%.
- Partnered with cross-functional teams to translate business needs into technical solutions, ensuring on-time delivery of all features.
- Mentored junior developers and led code reviews, raising overall code quality and reducing post-release issues by 20%.

#### Software Developer

04/2020 – 11/2021

Smitiv

- Developed responsive web applications using HTML, CSS, JavaScript, and React, improving code maintainability by 35%.
- Implemented AI-driven features with OpenAI and LLM frameworks, automating workflows and enhancing user experience.
- Refined and optimized RESTful APIs in Node.js with PostgreSQL and MongoDB, improving data accuracy by 30% and enabling AI-driven analytics.
- Executed unit and integration tests and led code reviews, increasing system reliability by 25%.
- Collaborated with design, QA, and product teams to deliver updates and fixes on schedule, improving release timeliness by 20%.

#### Full Stack Developer

11/2018 – 02/2020

PROTEUS-DT

- Developed RESTful APIs with PostgreSQL and MongoDB backends, improving data efficiency by 5% while ensuring scalability and security.
- Built and maintained full-stack applications using React, Next.js, and Node.js, serving 20K+ active users with high availability.
- Embedded AI-powered features with OpenAI, LangChain, and LLM frameworks, boosting user engagement by 25% and enhancing process automation.
- Deployed OAuth2 and JWT authentication, enhancing system security and ensuring compliance across 100% of user transactions.
- Streamlined deployments using Docker, AWS, and CI/CD pipelines, reducing release times by 0% and improving reliability.
- Collaborated with product and design teams to deliver responsive, production-ready solutions, driving user engagement up by 25%.

### SKILLS

#### AI & Automation

OpenAI API | LangChain | LlamaIndex | Pinecone | pgvector  
| RAG pipelines

#### Backend

Node.js | NestJS | Express.js | FastAPI | GraphQL | REST |  
WebSockets | Socket.io

#### Cloud & DevOps

AWS | Azure | Docker | Kubernetes | Jenkins | GitHub  
Actions | CI/CD pipelines

#### Frontend

React | Next.js | Angular | TypeScript | Tailwind CSS |  
HTML5/CSS3

#### Databases

PostgreSQL | MySQL | MongoDB | Redis | Firebase |  
Supabase

#### Security

OAuth2 | JWT | HIPAA | Secure Payment Flows (Stripe,  
PayPal)

### LANGUAGES

English



Mandarin

