Fang Ying, Nan

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Professional Experience

Moonfare – Software Engineering Team Lead　　　　　　**Aug 2021 - Present, Berlin, Germany**

- Lead a team of 7–8 engineers maintaining the core fintech business platform, serving as the primary link between stakeholders and engineering to align execution with business priorities and critical workflows.
- Structure and deliver high-impact features that boosts lead-to-user conversion by 10–15%, increased AUM by multi-million euros, automate manual workflows saving hundreds of hours for stakeholders annually.
- Optimize the main React application with advanced state management (Redux + hooks) and CDN and cache, maintain internal design system, improve render time, and ensure smooth user workflows.
- Enhance the performance of NodeJS and Python services by refactoring legacy code and tuning SQL queries, achieving a 15-20% reduction in latency across critical endpoints.
- Leverage AI tools like Copliot and Gemini CLI to improve workflows, code quality, and test coverage.

Moonfare – Software Engineer (Full-Stack)　　　　　　**Feb 2020 - Aug 2021, Berlin, Germany**

- Built and maintained core backend and frontend applications using DDD, while supporting the development of a shared design system and internal tooling to support developer and ensure codebase consistency.
- Built 5+ NestJS / Python microservices with MongoDB, AWS Lambda and SQS and with event-driven flow.

PlusDental – Software Engineer　　　　　　**Jul 2018 - Jan 2020, Berlin, Germany**

- Migrated legacy MERN to NextJS (Redux / GraphQL), rebuilt mobile app with React Native.
- Implemented i18n across 5 countries and 3 languages, using PageSpeed to enhance UX performance.

HeroBear – Lead Full-Stack Software Engineer　　　　　　**Apr 2016 - Nov 2017, Taiwan (Remote)**

- Led end-to-end development of scalable web and mobile apps with NodeJS, Meteor, and MongoDB, collaborating with design teams on UI/UX. Managed CI/CD pipelines and production deployments on AWS.

Nokia, HERE – QA / Release Engineer (Working Student)　　　　　　**May 2015 - Mar 2017, Berlin, Germany**

- Supported Python E2E regression tests and release for Nokia HERE's map solution project with Samsung.

Projects

LetterOn – AI OCR app for physical letter extraction, classification, and translation using Google Cloud and LLMs

RagEasy – AI Agent with RAG (Local PDF) for Natural language query using Python, LangChain, and ChromaDB

MyLingo – Chrome Built-in AI extension that turns any webpage into language learning session using Gemini Nano.

Skills and Certification

Certification:	Amazon Web Services Certified Solutions Architect – Associate
Programming Languages:	TypeScript, JavaScript, SQL, Python, Ruby, C++
Frameworks/Tools:	React, Tailwind CSS, GraphQL, NestJS, NodeJS, MySQL, MongoDB, Redis, Jest, GitHub, AWS, Docker, LangChain, Claude, Microservices, RESTful APIs, Terraform
Management:	Tech Architecture & Roadmap Planning, Security & GDPR, Leadership, Agile
Languages:	**English** (Professional proficiency) | **German** (Basic) | **Chinese** (Native)

Education

Technische Universität Berlin – M.S. Geo Information　　　　　　**2013 - 2018, Berlin, Germany**
National Taiwan University – M.S. Computer Aided Engineering　　　　　　**2010 - 2012, Taipei, Taiwan**