

Mr. Jingjie JIANG

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Technical Background

- **Languages:** JavaScript, Typescript, Java
- **Knowledge:**
 - General: Algorithms, Data Structures, Design Patterns, Large Scale Systems
 - Backend: Node.js, Express.js, Koa, Spring Boot, Message Queue, Microservices
 - Frontend: React, Next.js, React Native, CSS, HTML
 - DevOps: Docker, Kubernetes, Jenkins, Azure DevOps, Terraform
 - Cloud: AWS, GCP
 - Software Engineering: Kanban, Scrum, TDD, BDD, UML
 - Database: MongoDB, GraphQL, MySQL, Redis
- **More Information:**
 - [My GitHub](#)
 - [My Personal Website](#)

Employment History

Mar 2022 – Present Tech Lead (Freelancer), Shanghai Miluo Network Technology Co.,Ltd, Shanghai, China

Remotely worked in Berlin, Germany. Worked on various projects: Online Travel Agency (Node.js + React) and AI-Generated Content website (Node.js + React). Currently leading a team of 3 developers and building a Web3 Defi app from scratch. The tech stacks are: React Native + Node.js + Typescript + GCP + AWS + MySQL + Redis + GraphQL. My main responsibilities include:

- Full stack software development across a range of techniques and platforms
- Communicate with the external state holders to gather, clarify, and facilitate project requirements
- Design robust Software architecture and system solutions to meet business needs
- Conduct code reviews to ensure quality and consistency in key software components
- Led Scrum ceremonies as Scrum Master and managed project delivery through Agile methodologies
- [A short demo regarding my current work](#)

Achievements:

- Led the development team from inception, scaling it from 0 to 1, and delivered a production-level DeFi application with over 200k lines of code, built from the ground up

Oct, 2021 – Feb, 2022 Senior Backend Software Engineer, Trip.com Group, Shanghai, China

Worked with stakeholders from [Travix International](#) (Head Quarters at Amsterdam, Netherland). Travix is global online travel company acquired by Trip.com Group (NASDAQ: TCOM). Worked on the development of flight ancillary products for Travix affiliate websites.

- Worked a distributed Scrum team across Shanghai, China, and Amsterdam, Netherland
- Led the design of critical protocols for communication between backend and frontend services
- Developed core backend modules for flight ticket ancillary products, driving key product features

Sep, 2018 – Oct, 2021 Software Development Engineer II, Microsoft (China) Co.,Ltd., Shanghai, China

Worked on Azure IoT Tooling, contributed to internal tools development, collaborating with companies worldwide (mainly multinational corporations) to address issues in software products developed using Microsoft client-side technologies. My main duties included:

- Full stack development on Azure IoT Tooling Dev Kit, maintain a web app for Azure IoT users to simulate a Raspberry Pi running Nodejs program
- As one of the main contributors to developing and maintaining an internal tool for cross-team project management
- Analyzed customer requirements and identify key business drivers to deliver tailored solutions
- Diagnosed and resolved complex code and application issues, ensuring optimal performance and customer satisfaction
- Offered strategic consulting on the feasibility of customer requirements, recommending effective implementation methods
- Mentored industrial and graduate new hires, fostering their technical growth and integration into the team

Achievements:

- Lead the project that win Brown Bronze Champion Microsoft GCR Power Platform (Low code platform) Hackathon 2021
- Key contributor to win the Most Popular Project of Microsoft GCR Hackathon 2020
- Key contributor to win the Most Impactful Project of Microsoft GCR Hackathon 2019

Mar, 2018 – Aug, 2018

Software Developer, ThoughtWorks, Inc., Shenzhen, China

Worked on a project regarding Investment Banking (IB) and Private Banking (PB) for an international investment bank. The project adopted Agile methodologies. My duties during the Agile iterations including:

- Implemented BDD principles using Cucumber and Puppeteer to develop the core automated UI testing framework and key components
- Managed and optimized the TeamCity pipeline to ensure efficient Continuous Integration
- Developed both front-end and back-end modules using Node.js, Express.js and MongoDB
- Facilitated Agile retrospective meetings, fostering continuous improvement and team collaboration at the end of each iteration

Achievements:

- Developed a backend module that significantly reduced I/O costs during the generation of IB reports, enhancing system efficiency and performance

Jul, 2014 – Sep, 2014

Software Engineer Intern, University of St Andrews, St Andrews, Fife, UK

- Independently developed an Eclipse plugin for facilitating the teaching of the module OOP and Software Engineering Practice at the School of Computer Science
- [Introduction of the plugin on Google Code](#)

Feb, 2013 – Jul, 2013

Researcher Intern, SCORE Team, INRIA-LORIA Research Center, Nancy, France

- My duties include: designed and organised observational studies including building the experiment environment, collected the data from video records and utilised statistical methods to analyse the data

Oct, 2008 – Jan, 2012 **Embedded Software Engineer, Anchen Sci Tech Dev, Co. Ltd., Guangxi, China**

- Developed various embedded software running on ARM processor

Educational Qualifications

Jan, 2015 - Jul, 2017

PhD (Dropped Out), Bournemouth University, Bournemouth, Dorset, UK

- Research Topic: Engineering Addiction-aware Software

Sep, 2012 - Jul, 2014

MSc, Double Erasmus Mundus MSc in Dependable Software Systems (DESEM)

- Sep, 2013 – Jul, 2014, studied at the University of St Andrews, St Andrews, Fife, UK.
- Sep, 2012 – Jul, 2013, studied at the Université de Lorraine, Nancy, France.

Sep, 2004 - Jun, 2008

Bachelor's Degree, Guilin Univ of Electronic Technology, Guilin, Guangxi, China

- Major in Computer Science and Technology.

Awards

- **Fully-funded BU PhD Studentship**
 - Awarded by Bournemouth University, UK
- **Erasmus Mundus Masters Course (EMMC) MSc in Dependable Software Systems (DESEM) Category A Fully-funded Scholarship**
 - Awarded by DESEM Consortium and The Education, Audiovisual and Culture Executive Agency (EACEA) of EU. (Sep, 2012 – Sep, 2014)

Language Proficiency

- Native Language: Chinese Simplified
- Major Foreign Language: English (Full professional proficiency)
- Other Foreign Language: French (Elementary proficiency)