

# Chan Meng

Full-Stack Developer specializing in Web & Mobile Applications

## EXPERIENCE

### ByteDance Youth Camp — Backend Engineer

Nov 2024 - PRESENT | Remote/China | Apprenticeship

- Selected among 8900+ participants to develop microservices and distributed systems under ByteDance engineers' mentorship.

### FreePeriod — Chief Technology Officer

Nov 2024 - PRESENT | Remote/China | Freelance

- Built bilingual platform serving 3,000+ monthly users with IoT-enabled tracking of 50+ sanitary pad stations.
- Developed analytics dashboard with automated tracking, reducing inventory management time by 30%.

### CORDE — Mobile Application Full Stack Developer

Jun 2024 - Nov 2024 | Hybrid/Christchurch | Internship

- Developed Android app processing 119,000+ annual maintenance logs for 100+ field workers.
- Implemented offline data sync system reducing manual entry by 80%, while contributing 66% of project codebase.

## PROJECTS

### AgriHire Solutions | [Link](#)

- Developed full-stack equipment rental management system serving 4 user roles across 10+ stores.
- Implemented real-time inventory tracking for 100+ equipment items and streamlined booking process.
- Increased operational efficiency by 30% through integrated analytics and automated notifications.

### Library Management System | [Link](#)

- Built a full-stack library platform with Next.js 15, achieving 99.9% uptime and 75% faster checkout process.
- Designed responsive UI with real-time updates using shadcn/ui.

### FriendScope | [Link](#)

- Engineered a scientific friendship assessment tool that evaluates relationships across 10 psychological dimensions and generates personalized insights.
- Built interactive data visualization system featuring real-time analytics and comparative historical tracking.
- Implemented privacy-first architecture with local storage and anonymous assessment, achieving 100% data security.

### FreePeriod Website | [Link](#)

- Developed a sustainable menstrual care platform using TypeScript, integrating 4+ core modules including real-time impact tracking, location services, user authentication, and educational resources.
- Implemented responsive UI with Tailwind CSS, achieving seamless functionality across all devices and supporting 2 languages (EN/CN).

### Interactive Story Generator | [Link](#)

- Developed an AI-powered storytelling platform using Python, Gradio and Hugging Face Transformers, featuring 5+ story themes and customizable AI parameters.
- Implemented comprehensive story management system enabling users to create, save and continue personalized narratives through natural dialogue.

Portfolio:// [chanmeng.live](#)

LinkedIn:// [chanmeng666](#)

GitHub:// [ChanMeng666](#)

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## SKILLS

### PROGRAMMING LANGUAGES

TypeScript • JavaScript • Python • HTML • CSS • SQL

### FRONTEND

React • Next.js • Angular • Tailwind CSS • Redux • Framer Motion • Three.js

### BACKEND

Node.js • Express • Flask • FastAPI • RESTful APIs • WebSocket Authentication • Real-time Data Processing

### DATABASES

PostgreSQL • MongoDB • MySQL • Database Design • Query Optimization

### ADDITIONAL EXPERTISE

System Architecture • API Design • Performance Optimization • Technical Documentation • Test-Driven Development • Agile Methodologies

## EDUCATION

### Master of Applied Computing — Lincoln University

Nov 2023 - Dec 2024 | New Zealand | with Distinction

### Bachelor of Geography Science — Jiangsu Normal University

Sep 2012 - Jun 2016 | China | with Distinction

## ACHIEVEMENTS & COMMUNITIES

- Excellence Award Winner** — FemTech China Women's Health Technology Challenge in December 2024
- Mentor** — Forward with Her Program, supported by UN Women
- Founder** — TechRosie GitHub Organization, promoting diversity in tech

## CERTIFICATIONS

### SOFTWARE DEVELOPMENT

- Software Engineer - HackerRank
- Frontend Developer (React) - HackerRank
- Node.js (Intermediate) - HackerRank
- Angular (Intermediate) - HackerRank

### DATABASE & API

- SQL (Advanced) - HackerRank
- Rest API (Intermediate) - HackerRank

### ADDITIONAL SKILLS

- System Administration - Microsoft
- Project Management - Microsoft
- Cybersecurity - Microsoft