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Xiaofeng Tang (Timmy)

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CAREER PROFILE

Full Stack Developer with 2 years of practical experience, specializing in building lightweight AI-powered tools using OpenAI GPT APIs (e.g., GPT-4) and Gemini. Proficient in both backend (Spring Boot, .NET Core) and frontend (React, Next.js) development, with strong ability to independently build and deploy internal productivity tools for automation. Experienced in integrating Open Interpreter, LangChain, and other AI frameworks for internal workflow enhancement.

WORKING EXPERIENCE

Cyberoo.ai Sydney, Australia
Full-stack developer March 2025 – present

- Maintain a scam detection chatbot by integrating **Google Gemini 1.5 / 2.5** APIs into a **Spring Boot** backend, enabling structured risk assessments such as defining instruction prompts and **JSON schema** outputs.
- Implemented a **conversation management module** using Spring Boot and React, enabling secure user interactions, message flow control, content moderation, and integration with **Gemini LLM and AWS S3** for multilingual and multimedia support.
- Independently built and shipped internal AI tools using OpenAI and Gemini APIs, such as internal risk analyzers and prompt-based automated assistants.
- Converted **OpenAI-style** JSON schema into **Gemini function** declaration format and recursively sanitized JSON with custom schema transformers.
- Integrated LangChain-style structured outputs for secure and modular LLM interactions.
- Resolved critical bugs in the admin app's **filtering module**, involving front-end routing/**UI adjustments**, **SQL logic updates**, and back-end **service layer** fixes.
- Familiar with **AWS CodeCommit, RDS, S3, and CloudWatch** within the existing **CI/CD** pipeline; ensured development work did not disrupt version control or deployment processes, and used CloudWatch and RDS to troubleshoot backend issues after deployment.

RECAM Sydney, Australia
Full-stack developer July 2024 – March 2025

- Designed and developed scalable **RESTful APIs** from scratch using **ASP.NET Core** with a **layered architecture** (Controller, Service, Repository, DTO, Entity) to ensure maintainability and extensibility.
- Built and configured the **MySQL database** system using ASP.NET Core and **Entity Framework**, setting up **ORM mappings** and connection testing to ensure stable and efficient data access.
- Developed 10+ **reusable** and **responsive** React components in TypeScript by implementing provided UI/UX designs, ensuring clean code structure, modularization, and seamless cross-device compatibility.
- Addressed and resolved **membership subscription and transaction issues** in a **legacy project** by deploying a new **payment** API integration, enhancing system reliability and user experience.
- Developed 20+ unit tests components for front-end interface using React Testing Library and Jest, and for backend service methods using xUnit with **Arrange-Act-Assert** pattern, additionally conducted API testing through **Postman** and **swagger UI** to ensure end-to-end system reliability.
- Documented API specifications and component usage guidelines to facilitate team onboarding and improve cross-functional collaboration.

Guangzhou Smart City Investment Guangzhou, China
Front-end developer intern June 2024 – July 2025

- Responsible for maintaining and upgrading the company's official corporate website, as well as the company's internal office automation system.
- Participated in the front-end development of the data management platform, using Vue as the technology stack, and used the Amap API to facilitate users to mark areas.
- Cooperate with back-end developers to complete the docking and debugging of platform interfaces.

PROJECT EXPERIENCE

[Scam.Report](#) (A platform that combines generative AI with the reasoning capabilities of a cybersecurity analysis database, focusing on analyzing user-submitted information about fraudulent websites)-**Cyberoo.ai**

[Proppix](#)(Online listings and related services for both residential and commercial properties)-**Recam**

[Gooday website](#) (University of Sydney Capstone project; A web application leveraging AI personal assistants to streamline life admin bookings between businesses, consumers, and networks.)

- Hosted various **team meetings**, including initial UI design, client meetings, and weekly code review sessions.
- Helped team members become familiar with essential **IT development workflows**, including using Jira to track tasks, bugs, user stories, and progress, as well as GitHub Actions and coding standards.
- **CHATGPT API integration** in chat assistant component, with fine-tuning and specific instructions, the chat assistant can effectively answer user questions while staying within its designated scope.
- Deliver **component-based design** concepts to team members to ensure reusability, improve efficiency, and facilitate testing.
- Developed **responsive and dynamic effects** for various components and pages, such as the hero page, review section, and chat assistant section, utilizing Tailwind CSS, Framer Motion, ShadCN UI, and other third-party libraries.
- Wrote **unit tests** to verify component **rendering accuracy**, responsiveness, and logical conditional rendering for accessibility..

RELEVANT SKILLS

Programming language: C#, python, TypeScript, JavaScript, SQL, HTML, CSS, Java

Database: MySQL, PostgreSQL, SQL Server, MongoDB

Framework & Library: React, NextJs, TailwindCss, Asp.Net, Spring boot, NodeJs

Cloud: AWS, Google Cloud, Azure

Devops: GitHub action, Docker, AWS CodeCommit, Jira, Slack

Test: Jest/React Testing library, xUnit, Swagger UI, Postman

Methodologies: Agile, Waterfall.

EDUCATION

University Of Sydney

Sydney, Australia

Master Degree Of Computer Science

February 2023 – December 2024

University of New South Wales

Sydney, Australia

Bachelor of Mathematics

February 2020 – December 2022