JIE MIN TUNG

Puchong, Malaysia | +6012-6525770 | tungjm32@gmail.com
GitHub | LinkedIn | Portfolio

SUMMARY

Full Stack Developer with 3+ years of software development experience, specialising in web application development, backend systems, and AI integration. Experienced in building scalable applications, optimising system performance, and contributing to technical planning and team coordination.

EXPERIENCE

SARATIX AI SDN BHD

Full Stack Developer | Kuala Lumpur, Malaysia | Sept 2024 – Present

- Designed and developed an Applicant Tracking System (ATS) with tiered employer subscriptions and a Job Portal supporting thousands of candidates, job applications, and employer users.
- Improved data retrieval and dashboard performance for a system handling millions of records by implementing server-side pagination, caching, and PostgreSQL query optimisation. Reduced PostgreSQL query execution time by up to **98.9%** in benchmark tests.
- Tuned PostgreSQL connection pool configuration, reducing bulk data processing time by up to **77.5%** in benchmark tests.
- Integrated AI-powered workflows for resume parsing, candidate scoring, and job matching using RabbitMQ for asynchronous processing.
- Integrated external systems through API-driven data processing pipelines and developed automated task assignment workflows to streamline operational processes.
- Developed full-stack applications using SvelteKit, Node.js, PostgreSQL, and Redis, including real-time features using WebSockets and Server-Sent Events (SSE).
- Collaborated with the development team to break down requirements into tasks, coordinate assignments, and track progress, while providing implementation guidance and recommendations to junior developers.
- Developed healthcare dashboards and chatbot solutions by integrating MCP-based AI services and OCR capabilities.
- Participated in client discussions to clarify requirements and coordinate technical implementation.

JURIS TECHNOLOGIES SDN BHD

Software Engineer (Intern & Part-time) | Kuala Lumpur, Malaysia | Apr 2023 – Sept 2023

- Developed customer-facing features using an in-house PHP and JavaScript framework within Agile development teams.
- Integrated applications with internal services through web services and APIs.
- Contributed to feature development, automated testing, and manual testing to improve application quality.

SKILLS

Programming Languages: JavaScript, TypeScript, Python, SQL, Java, C++
Frontend & Backend Frameworks: Node.js, SvelteKit, Next.js, React, FastAPI, Tailwind CSS
Databases & Caching: PostgreSQL, MySQL, Redis
Libraries & ORM: Drizzle ORM
Messaging & Asynchronous Processing: RabbitMQ, Message Queues, Publish/Subscribe (Pub/Sub)
AI & LLM Technologies: LLM Integration, OpenRouter, MCP
Cloud & DevOps: AWS, Alibaba Cloud, Docker, Nginx, Linux
Development Tools: Git, GitHub, ChatGPT, Claude Code
Web Technologies: REST APIs, WebSockets, Server-Sent Events (SSE)

PROJECTS

CRYPTO INTELLIGENCE – CRYPTOCURRENCY MARKET ANALYSIS PLATFORM

Personal Project

- Developing a cryptocurrency analysis platform using market data and technical indicators to generate market insights.
- Integrated LLM APIs through OpenRouter to analyse market data and generate research explanations.

Tech Stack: Next.js, PostgreSQL, OpenRouter, Redis, Tailwind CSS.

SALONXPERT – CLOUD-BASED SALON MANAGEMENT SYSTEM

Final Year Project

- Developed a cloud-based salon management system for appointment booking and resource management.
- Led the project from requirements analysis and system design through development, testing, and deployment.

Tech Stack: React, Node.js, AWS, MySQL, Tailwind CSS, Docker.

DISCORD BOT – ROMAJI LYRICS FINDER

Personal Project

- Developed a Discord bot using Node.js and Puppeteer to retrieve romanised lyrics for currently playing Spotify tracks.
- Implemented command-based lyric retrieval by scraping online lyric sources.

Tech Stack: Node.js, Puppeteer, Discord API.

EDUCATION

ASIA PACIFIC UNIVERSITY

Bachelor of Software Engineering | Kuala Lumpur, Malaysia | Jun 2021 – May 2024

CGPA: 3.60 / 4.0 | First Class Honours

LANGUAGES

English (Professional Working Proficiency), Mandarin (Native Proficiency)

HOBBIES

Tennis, Bouldering, Music, Travel, Movies, Gaming