Moon Runner

Senior Full Stack AI & Mobile App Developer

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- 🔗 Portfolio
- ⬤ Github
- ◼ Slack
- 💬 MS Teams
- 📞 +1 715 606 9457
- 📍 Singapore

🧠 CORE SKILLS

Full-stack development
React, Node.js, JS/TS, Python, Express ,REST APIs, Go ,SQL, C++ / C#

Mobile & Android development
Flutter, Dart, Kotlin, Android SDK, React Native, Firebase, Google Play

AI / ML development
PyTorch ,TensorFlow, ML pipelines, Model ops, OpenAI, RAG, Chatbots, Text-to-image

Tools & frameworks
AWS, Airflow, Docker, MLOps, Git, Shell, Rust, Haskell

🎓 EDUCATION

Singapore Institute of Technology
2015 – 2018 | singapore

Dunman High School
2010 – 2015 | Singapore

🎸 INTERESTS

Reading books, listening to music, taking walks, playing table tennis, playing badminton, cooperation, conversation.

📇 PROFESSIONAL SUMMARY

With 10 years of experience in **Full-Stack AI and Mobile App Development,** I specialize in building intelligent, high-performance applications that bridge AI technologies with robust, scalable web and mobile solutions.
I have expertise in **integrating AI models**, **end-to-end systems**, developing custom APIs, and creating cross-platform mobile apps using frameworks like React Native, Swift, and TensorFlow.
As a freelancer, I focus on delivering cutting-edge, data-driven solutions that enhance business functionality, optimize user experiences, and drive innovation across industries.
My passion lies in tackling complex challenges, providing tailored solutions, and continuously pushing the boundaries of what's possible in both AI and app development.

💼 PROFESSIONAL EXPERIENCE

Freelance Senior AI / ML Engineer
Remote | Present

09/2024 – Present | Singapore

- Design and deliver custom AI solutions for startups and enterprises, covering the full lifecycle from problem definition to production deployment.
- Build and fine-tune LLM-based systems, including chatbots, code assistants, and domain-specific knowledge agents.
- Develop multimodal generative AI applications (text, image, audio, video) with real-time performance constraints.
- Architect scalable cloud-based ML pipelines, integrating training, inference, monitoring, and CI/CD.
- Advise clients on AI feasibility, system architecture, cost optimization, and model governance.

Palexy company
Senior Full-Stack AI / ML Engineer

01/2022 – 08/2024 | Keng Cheow Street, Singapore

As a Senior Full stack Al/ML Engineer, I lead end-to-end design, training, and deployment of machine learning and generative Al systems used across multiple business units. My work focuses on building scalable, production- ready Al solutions that drive measurable ROI and improve automation efficiency.
Key Responsibilities & Achievements:

- Architected and deployed several Al-driven applications using PyTorch, TensorFlow, and Hugging Face Transformers, including NLP pipelines, recommendation systems, and predictive analytics engines.
- Fine-tuned and optimized LLMS (GPT, LLAMA, Falcon) for enterprise knowledge management, internal chatbots, and automated summarization tools-reducing manual effort by 5%.
- Developed an MLOps framework using MLflow, Airflow, and GitHub Actions for CI/CD of ML models; reduced model deployment cycle from 2 weeks to 3 days.

Collaborated with data engineering teams to build ETL pipelines for large-scale datasets (terabyte scale) using Spark + AWS Glue, ensuring model reproducibility and traceability.

🌐 LANGUAGES

English, Japanese

Mentored a cross-functional team of 5 junior developers and data scientists, conducting peer reviews, performance tuning, and AI ethics workshops.

Crowdera company
AI/ML developer

07/2019 – 12/2022 | Singapore

- Joined as a mid-level AI Engineer to research, prototype, and deploy machine learning models supporting key product features in predictive analytics and computer vision.
- Developed feature extraction and preprocessing pipelines using NumPy, OpenCV, and Scikit-learn, integrated directly into product APIs.
- Implemented model explainability dashboards using SHAP and Plotly, improving stakeholder trust in AI outputs.
- Collaborated closely with DevOps to deploy ML models on AWS EC2 and later containerized them with Docker for reproducible environments.

Crowdera company
AI Internship

01/2018 – 06/2019 | Singapore

- After graduating, I joined Crowdera company as an AI Intern where I gained practical experience in data preprocessing, model training, and automation scripting.
- Automated data collection workflows using Python scripts and REST APIs, cutting data preparation time by 20%.
- Learned fundamentals of version control (Git), unit testing, and agile sprint planning.
- Supported deployment testing of early AI models into production for internal analytics dashboard.