

Moon Runner

Senior Full Stack AI & Mobile App Developer

✉ strongtiger0108@gmail.com

🔗 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 | Global

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.

Palex company

Senior Full-Stack AI Engineer

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

- Fine-tuned large language models (Llama, Falcon, and GPT-based variants) for enterprise knowledge management, internal chatbots, and document summarization, significantly reducing manual review effort for operational reports and data.
- Designed and implemented an MLOps framework with MLflow, Apache Airflow, and GitHub Actions, reducing the end-to-end model deployment cycle from approximately 2 weeks to 3 days while improving reproducibility, traceability, and team collaboration.
- Led a cross-functional team of 5 junior developers and data scientists, providing code reviews, performance tuning guidance, and workshops on AI best practices and responsible AI considerations.

English, Japanese

Palex company

Senior Full-Stack Engineer

01/2023 – 12/2023 | Keng Cheow Street, Singapore

- Architected and deployed multiple production AI applications using PyTorch, TensorFlow, and Hugging Face Transformers, including NLP pipelines for automated reporting, recommendation components, and predictive analytics modules that supported retail operations intelligence.
- Collaborated with data engineering teams to develop robust ETL pipelines capable of processing terabyte-scale datasets using Spark and AWS Glue, ensuring consistent data quality and model reproducibility across environments.
- Mentored junior developers through code reviews and performance optimization sessions as part of cross-functional project delivery.

Crowdera company

Full-Stack Engineer

03/2021 – 12/2022 | Singapore

- Partnered with DevOps engineers to deploy and containerize ML models on AWS, evolving from EC2 instances to Docker-based environments for improved reproducibility and scalability.
- Contributed to the continuous enhancement of predictive models supporting donor analytics, automation features, and operational efficiency within the AI-powered fundraising platform.
- Supported end-to-end development of production-ready features, bridging backend ML logic with frontend-facing APIs and user experiences.

Crowdera company

Frontend Developer

07/2019 – 02/2021 | Singapore

- Designed and implemented feature extraction and preprocessing pipelines using NumPy, OpenCV, and scikit-learn, integrating computer vision and predictive analytics capabilities directly into the core fundraising platform APIs and user interfaces.
- Built model explainability dashboards with SHAP and Plotly to visualize AI outputs, increasing stakeholder confidence in predictive analytics and donor-related insights.

Crowdera company

Software Engineering Intern

01/2018 – 06/2019 | Singapore

- Automated data collection and preprocessing workflows using Python scripts and REST APIs, reducing manual data preparation time by approximately 20%.
- Supported model training, testing, and basic deployment activities for internal analytics features.
- Developed proficiency in version control (Git), unit testing, and agile sprint planning while contributing to team deliverables in a fast-paced SaaS environment.
- Assisted in deployment testing of early-stage AI models for the internal analytics dashboard.