CHENG TZE KEONG

ctkqiang.github.io | Penang, Malaysia |

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Objective

Senior Software Engineer with expertise in full-stack development, mobile applications, and cybersecurity, seeking a role in Fintech or AI to develop innovative and scalable software solutions.

Skills and abilities

Technical Skills:

- Languages: Java, Kotlin, Swift, Python, Golang, Rust, Erlang, Elixir, C/C++, JavaScript, TypeScript
- Front-End: Flutter, SwiftUI, WeChat Mini Program, VueJS, React.js, Next.js, TailwindCSS
- Back-End: Node.js, Express.js, NestJS, FastAPI, Phoenix (Elixir), Rebar (Erlang), GraphQL, gRPC
- Databases: MySQL, PostgreSQL, Firestore, CouchDB, MongoDB, Redis, Supabase
- AI/ML: TensorFlow, PyTorch, OpenCV, Hugging Face, NLP, LLMs, Chatbott
- Blockchain & Web3: Solidity, Smart Contracts, Ethereum, TON, IPFS, DeFi, dApps

Soft Skills:
- Problem-Solving and Team Leadership
- Effective Communication
- Project Management and Time Management

PROFESSIONAL Experience

Software Engineer and Tech Consultant
Self-Employed | Aug 2023 – Present

- Developed AI-driven solutions for businesses, leveraging machine learning, NLP, and automation.

- Provided software development consulting for clients in Fintech, AI, and Web3, optimizing applications for scalability and security.
- Designed and implemented blockchain solutions, including smart contracts, DeFi applications, and decentralized storage (IPFS, TON, Ethereum).
- Conducted cybersecurity assessments, ensuring compliance with GDPR, OWASP, and best security practices.
- Led financial technology projects, integrating payment gateways (Stripe, TON, crypto payments) into mobile and web applications.
- Delivered tech-focused AI, blockchain, DevOps, cloud computing, and cybersecurity workshops.
- Collaborated with businesses and startups, providing full-stack development expertise in Flutter, Node.js, Python, and Elixir.

Senior Mobile Application Developer
Sleekflow Private Limited | Aug 2022 - Dec 2023
- Designed and updated software databases and user interfaces.
- Developed and deployed new features for eCommerce applications.
- Utilized tech stacks including WhatsApp API, Stripe, Flutter, Swift, and Kotlin.

Senior Software Engineer
Mynapse Sdn Bhd | App 2020 - Jun 2022
- Developed and implemented new software programs.
- Led development of SMS services and Video Calls application.
- Utilized Kotlin, Java, Elixir, Erlang, CouchDB, Flutter.

Software Engineer
Braintech (M) Sdn Bhd | Jan 2018 - Mar 2020

- Developed scientific software for EEG and BCI applications.
- Created efficient web services using Firebase and MySQL.
- Integrated Nordic SDK and Qualcomm SDK in Android applications.

Armed Security Guard
G4S | Jun 2014 - Nov 2017
- Administered facility security programs.
- Safeguarded government information and equipment.
- Operated personnel identification and access controls.

Education

Malaysian Higher School Certificate
SMK Hamid Khan | Graduated: 2013
- Participated in internships with professional sports organizations.
- Developed skills in event planning, sponsorship activation, and fan engagement.