# CHENG TZE KEONG

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## Objective

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

## Skills and Abilities

**Technical Skills**

**Languages:** Java, Swift, Python, Golang, PHP, Dart, COBOL, Erlang, Elixir, C/C++, JavaScript, TypeScript, Zig, Bash, Cangjie
**Front-End:** Flutter, SwiftUI, WeChat Mini Program, HBuilder, VueJS, ArkTS(for Harmony OS), Next.js, TailwindCSS, TDesign
**Back-End:** Node.js, Express.js, NestJS, FastAPI, Phoenix (Elixir), Rebar (Erlang), GraphQL, gRPC, Spring Boot (Java), Gin Golang, Laravel PHP, FastAPI Python, Java Servlet (for old corporate Projects)
**Databases:** MySQL, OracleDB, Firestore, CouchDB, MongoDB, Redis, Supabase
**AI/ML:** TensorFlow, PyTorch, OpenCV, Hugging Face, NLP, LLMs, Transformer
**Blockchain:** Solidity, Smart Contracts, XRP sdk, TON, IPFS, DeFi, dApps

**Soft Skills**

Problem-solving, Team Leadership, Communication, Project Management, Time Management

## Professional Experience

**Senior Full-Stack Developer**
Freelance                                                                              Aug 2023 – Present

– Built intelligent NLP-based customer service systems, reducing manual load by 40%.

– Developed Cyber security tools for Red Team and White Team (Refer github)

– Applied ML for predictive modeling in healthcare.

– Developed ERP backends with Spring Boot.

– Designed cross-chain DeFi payments (Stripe + crypto), 5000 TPS.

– Performed pentesting for medical firms, achieving ISO 27001 compliance.

– Created Assembly x64, C/C++ system monitoring tools and Arduino-based IDS.

**Senior Mobile Application Developer**
Sleekflow Private Limited                                                        Aug 2022 – Dec 2023

– Delivered new eCommerce app features with payment integration.

– Used WhatsApp API and Wechat API, Stripe. (Service)

– Flutter, Swift, Kotlin. (Client) Redis, MySQL, Kafka, Spring Boot (Backend)

**Senior Software Engineer**

Mynapse Sdn Bhd                                                 Apr 2020 – Jun 2022

 – Developed SMS services, SIP realtime voice and (Webrtc-Janus) real-time video calls.

 – Used Kotlin, Java, Flutter (Client).

 – Elixir, Erlang, CouchDB (Backend).

**Software Engineer**

Braintech (M) Sdn Bhd                                           Jan 2018 – Mar 2020

 – Created EEG/BCI scientific software.

 – Integrated Nordic  Qualcomm SDK in Android (Java and C/C++).

 – Built Firebase/MySQL-powered services.

**Armed Security Guard**

G4S                                                            Jun 2014 – Nov 2017

 – Maintained facility and data security.

 – Operated identification and access control systems.

# Education

**SMK Hamid Khan**                       Malaysian Higher School Certificate (2013)

Internships in sports organizations, event planning, and sponsorship coordination.