


Ng Kai Hong, Clement

Senior Software Developer

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EXECUTIVE SUMMARY

A senior software developer with 8 years' experience specializing in high-performance cross-platform applications and user-focused database administration tools. Works autonomously and collaborates effectively with developers, design team and support team to deliver well-tested, maintainable code. Proven track record of architecting scalable backend systems, optimizing query performance.




TECHNICAL SKILLS

Languages: C++, Swift, Objective-C, Java, Python, Javascript, Go (Golang)



Databases & Tools: PostgreSQL, MySQL, SQLite, Snowflake, Qt, Xcode, Docker, Android Studio

Domains: Cross-Platform Development (macOS/Linux), Project Architecture, UI/UX Implementation, Performance Optimization




PROFESSIONAL EXPERIENCE

- Senior Software Developer –  [PremiumSoft CyberTech Ltd.](#) | Hong Kong | 03/2021 – Now
A leading software company developing Navicat, a premier multi-connection database administration tool used by millions of enterprise professionals globally
 - Lead the end-to-end development and ongoing maintenance of **Navicat** for **macOS/Linux** environments.
 - Design and implement **backend** architectures supporting multi-connection database integrations (Snowflake, PostgreSQL).
 - Designed algorithms and UI for **Data Generation** to produce realistic sample datasets, enabling faster testing and demo workflows for customers
 - Integrated external C++ libraries to support passive **Data Dictionary** export, , increasing third-party system interoperability by 25%
 - Built **BI** workspace to turn raw data into actionable insights, helping users identify trends and make data-driven decisions
 - Conduct code reviews to ensure high standards of maintainability and performance.
- Software Developer –  [PremiumSoft CyberTech Ltd.](#) | Hong Kong | 06/2017 – 02/2021
A leading software company developing Navicat, a premier multi-connection database administration tool used by millions of enterprise professionals globally
 - Investigated and resolved complex customer-reported software defects across macOS and Linux platforms.
 - Optimized application performance and refined database query execution pathways.
 - Participated in agile development cycles, delivering incremental updates to improve product stability.
- Junior Mobile Application Developer –  [Accord HK](#) | Hong Kong | 12/2016 – 02/2017
A boutique technology agency specializing in custom mobile application development for retail and consumer-facing brands.
 - Designed and built native mobile applications for Android and iOS using Java and Objective-C.
 - Implemented local data storage solutions utilizing SQLite and native mobile SDKs.
 - Managed the end-to-end app packaging and submission process for the Google Play Store.
 - Collaborated directly with clients to translate business requirements into technical features.

EDUCATION

-  BEng in Computer Science | The Hong Kong University of Science and Technology (HKUST) | Hong Kong | 2015 - 2017
-  Asc in Information Systems Development | Community College of City University (CCCU) | Hong Kong | 2013 - 2015

PROJECT WORK

-  **FaceT** (HKUST Best Final Year project in 2016-2017) – Engineered an aesthetic, user-friendly mobile platform improving the cosmetic shopping experience (Awarded 27 stars in [github](#))
-  **E-care** (HKUST Mobile Application Design Contest) – Developed an Android app streamlining medicine pickup and appointment booking, optimizing the workflow for local clinics
-  **耆樂寶** (CCCU Final Year project in 2014-2015) – An Android app for Hong Kong Sheng Kung Hui with an embedded-system component to manage photo, video, and entertainment content for elderly community activities