Kailun (Charles) Ai

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IT Experience

FULL-STACK DEVELOPER | MAINTAINX | JUNE 2021 – PRESENT

· Worked on **web, iOS, Android** versions of MaintainX main product which is a computerized maintenance management system (**CMMS**) application with React.js, React Native, Node.js, GraphQL, MySql and Typescript.
· Worked on **Dashboard** and Global Procedure Library (**GPL**), the two supporting websites of the MaintainX service and played key roles in adding and polishing multiple components of the product.

PROGRAMMER | DEPT. OF INTORMATION TECHNOLOGY SERVICES, EMSB | SEPT 2018 – MAY 2021

· Using C#, JavaScript, SQL with Azure ADFS to develop **in-house** web and mobile applications and RESTful APIs.
· Designed and developed **EMSB Technology Equipment Loan System** (TELS) and has effectively improved the efficiency of device loan management for all EMSB schools.
· Designed and developed **EMSB Student Intervention Management System** (SIM) with team aiming at replacing the KIDS system used by all EMSB school staff and Student Service professionals.

IB DP TEACHER | BEIJING HUIJIA PRIVATE (IB) SCHOOL | AUG 2015 – APRIL 2017

· Established an immersive **e-learning** experience for two Grade 11 class by introducing a set of carefully-chosen Mac and web applications/websites to class teaching and boosted students' enthusiasm to technology.
· Created an e-textbook using iBooks Author for Mac that features highly interactive learning content targeting IB DP teaching and learning objectives.

IT-Related Education

ONLINE CERTIFICATES | NOV 2017 - NOW | IBM, MICROSFOT, UOM, POLYU(HK)

· Finished 25+ courses with certificates on full-stack Web and Mobile App development, MS Excel, Machine learning and Data Science.

MASTER OF ARTS, EDUCATIONL LEADERSHIP | JUNE 2019 | MCGILL UNIVERSITY

· Developed and published a two-App bundle on iOS, *EMSB Intl* and *EMSB Intl Admin*, as one of the Master's Degree projects for the School Organization Department of EMSB to facilitate the life and study for international students.

(EXCHANGE) MASTER IN LEARNING AND TEACHING TECHNOLOGIES | JUNE 2014 | UNIGE

· Designed and developed a Chinese language learning pedagogical iOS App, 'Dyboo', for French-speaking learners

BACHELOR IN TELECOMMUNICATION ENGINEERING | JUNE 2006 | HAINAN UNIVERSITY

Skills & Abilities

· Full-stack Web Development with ASP.Net Core (Blazor, .Net 5.0), SQL Server and Azure ADFS
· RESTful API building and maintenance
· Android and iOS Mobile App Development with React Native and Xamarin

· Front-end Development with JavaScript, jQuery and React.js featuring TypeScript and next.js
· Back-end Development with C# and Node.js
· Version control with Git in cloud and LAN settings
· Visual Basic in MS Access and Excel