

## CAREER OVERVIEW

- An efficient and reliable Software Engineer with strong experience across a range of industries including education, telecommunication and travel management.
- Possess good experience in software development discipline including logical, functional, computational and physical perspectives
- Specialized in managing web applications, database, conversion and migration projects, incremental-iterative and agile development processes.
- Strong record in IT Projects Deliveries and possess strong abilities in interfacing with clients, business, senior management and managing stakeholders to identify key process & design opportunities.
- Proficient in deploying best practices into every stage of the SDLC with continual improvements.
- Excellent communication skills with an attitude to readily adapt to evolving business and technology challenges and an uncompromising commitment to performance excellence.
- Experience in managing IT projects to support the achievement of overall organization objectives and process improvements.

## Work Experience

14 years of versatile experience in the areas of -		
Architecture	Legacy Modernization	Business Analysis
Digital and Multi-Channel Strategies	Project Management	Vendor Management
Application Design	Application Development	Application Support
Iterative and Agile methodologies		
✓ A full <b>stack developer</b> with distinguished abilities from taking functional requirements to system design & development.		
✓ <b>Can-do attitude</b> – Keen to learn and adapt to new technologies. Sharpen the skills in different computing languages, tools and framework from the job quickly. Now learning and developing self projects with MongoDB, Node.js and React.		

- Employed as Analyst Programmer with HKBN Enterprise Solutions from *Jan 2020* to *Jun 2022*.
- Employed as Analyst Programmer with Television Broadcasts Limited from *Apr 2017* to *Dec 2019*.
- Employed as Software Developer with Serko Australia Pty Ltd from *May 2016* to *Jul 2016*.
- Employed as Web Programmer (C#) with Classroom Publications Limited from *Sep 2012* to *Feb 2016*.
- Employed as Software Engineer with Rovi Hong Kong Limited from *Jul 2007* to *Dec 2011*.
- Employed as Assistant Software Engineer with The Hong Kong Education City Limited from *Jul 2006* to *Jul 2007*.
- Employed as Temporary Product Support Engineer with Tradelink Electronic Commerce Limited from *Jun 2005* to *Sep 2005*.

## Core Competencies

### Technical:

- **Languages:** JS, CSS, HTML, C#, PHP, Java, R
- **Web /Middleware:** Web API, GraphQL, SOAP, ASMX
- **Frameworks / Library:** ASP.NET, JQuery, Node.js, React, Bootstrap, Font Awesome, JqGrid, Handsontable, Datatables, JsTree, Monment.js, Json.NET, PDFSharp, SSH.NET
- **Databases:** Oracle, MS SQL Server, MariaDB, MySQL, Postgres, MongoDB, Firebase, MS Access
- **Content Management System:** Joomla, Wordpress
- **Tools & Utils:** Git, TortoiseGit, Sourcetree, Visual Studio, Visual Studio Code, Postman, SOAPUI, Notepad++, SQL Plus, Oracle SQL Developer, SQL Server Management Studio, Docker, VirtualBox, Eclipse, Jira, Figma, Adobe XD, Photoshop, Bridge, Confluence, Crucible, KDiff3, Audacity

## **Functional / Process:**

- Mapping business requirements and leading efforts towards developing and implementing technical processes; spearheading system development, implementation & up-gradation initiatives
- Delivering and implementing the project as per scheduled deadlines; extending post-implementation and maintenance support to the client.
- Set priorities and meet deliverables.
- Seek continuous improvement by catch up the latest technology and workflow
- Listen to the clients and give professional suggestion

## **Domain Experience:**

- Education, Content management, Travel Management, Telecommunication

## **RESPONSIBILITIES AND ACHIEVEMENTS**

### **Analyst Programmer (HKBN Enterprise Solutions)**

**Jan 2020 – Jun 2022**

Responsible for developing and maintaining company software products using software tools and system components. Maintaining a high quality rating via Unit Testing and close interaction with testers.

#### **Key Responsibilities:**

- Lead the existing system development team in programming, monitoring their quality of work to make sure it meets the development standard
- Manage and design existing systems based on new user requirements
- Handle pre, on-going and post installation as well as maintenance activities of systems
- Maintain performance and utilization of software and recommend enhancements as necessary
- Perform problem determination, debugging and troubleshooting of system and program deficiencies

#### **Key Achievements:**

- Introduce Web Components which UI can be reused in different pages
- Suggest my manager to use JSTree to simplify the management of hierarchy of new UI
- Re-design the menu of Portal to fit into a smaller screen as more and more colleagues are using notebook with smaller screen during WFH
- Transfer the knowledge of a Salesforce project to the new manager and automate the maintenance of that project which cut down half of the maintenance cost.

### **Analyst Programmer (Television Broadcasts Limited)**

**Apr 2017 – Dec 2019**

Responsible for developing and maintaining company software products using software tools and system components. Maintaining a high quality rating via Unit Testing and close interaction with testers.

#### **Key Responsibilities:**

- Lead the existing system development team in programming, monitoring their quality of work to make sure it meets the development standard
- Manage and design existing systems based on new user requirements
- Handle pre, on-going and post installation as well as maintenance activities of systems
- Maintain performance and utilization of software and recommend enhancements as necessary
- Perform problem determination, debugging and troubleshooting of system and program deficiencies

#### **Key Achievements:**

- Introduce Git as version control system of source code and documentation which simplified the workflow for the team
- Introduce Web API which shorten the loading time for each web page by running the asynchronized web service
- Create Portal which allow users oversee all CMS modules in the same page
- Re-design the account management system to simplify the UI and DB design which could be managed by managers without hardcore IT background
- Teach my teammates the latest JS and CSS features such as Promise, Async/Await, CSS Grid etc to enhance the UX and code readability
- Counter suggested my manager and users to use the grid powered by Handsontable instead of going through the traditional workflow to create channel schedules. The idea was accepted by users and now they work like a charm

### **Software Developer (Serko Australia Pty Ltd, Sydney)**

**May 2016 – Jul 2016**

Responsible for developing and maintaining company software products using software tools and system components. Maintaining a high quality rating via Unit Testing and close interaction with testers.

**Key Responsibilities:**

- Perform software engineering / development tasks
- Analyze requirements, functional specifications, technical specifications and other related documentation in preparation for development planning and execution
- Estimate development effort throughout the Software Development Life Cycle (SDLC) for assigned pieces of work
- Work on tasks of large scope and technical complexity
- Complete assigned development in agreed time frames to acceptable levels of quality
- Adhere to software best practices for development, methodology and SDLC
- Code review other developers components
- Ensure any contractual requirements for development or documentation are met
- Develop and use data access libraries, SQL, Stored procedures within relational databases
- Become familiar with Serko® product technologies and the methods by which they are produced
- Support and maintain the Serko® range of products
- Create and maintain development related documentation as required
- Peer review development documentation
- Contribute to development and QA standards and processes
- Debate, influence and co-operate with internal contacts to deliver high quality products and solutions to the market.

**Key Achievements:**

- Upgrade the data transfer service and migrate the database to Azure within scheduled timeframe and high quality.
- Automate the process to decrypt messages with appropriate keys to reduce the maintenance cost on handling incoming data from our clients.
- Append the functionality of the admin panel to access the new database in Azure.

**Web Programmer (C#) (Classroom Publications Limited, Hong Kong)****Sep 2012 – Feb 2016****Key Responsibilities:**

- Implement and maintain web applications.
- Analyze requirements of change, feature requests and reported cases.
- Work on a wide range of projects and work closely with Multimedia Designer to perform UI programming
- Perform system testing / debugging and prepare technical documentation.
- Responsible for systems analysis and design
- Manage & perform full cycle of software development of web-based applications, including e-Learning web applications, websites and MIS platforms
- Analyze business user requirements, prepare system documentation
- Perform web development and systems enhancement using ASP.NET(C#)
- Plan and implement system rollout. Perform and support various stages of system testing

**Key Achievements:**

- Develop the first responsive online e-Learning platform for the company using ASP.NET MVC, C#, Javascript, JQuery and Bootstrap.
- Develop and maintain various e-Learning platforms for different publications of the company using ASP.NET WebForm, PHP.
- Design and develop the database structure and web service in MSSQL, MySql and MS Access.
- Develop the staff evaluation forms and reports for colleagues.
- Lead the development of company websites for our clients and teach them to maintain it with Wordpress.
- Automate the sales and stock check report in Excel.
- Handle any PC and software issues for our colleagues
- Teaching students through games during the book fair.
- Promote company products and services during exhibition.

**Software Engineer (Rovi Hong Kong Limited, Hong Kong)****Jul 2007 – Dec 2011**

Handles a wide range of client-and server-side software projects that are web-based/service-based/RDBMS-oriented.

**Key Responsibilities:**

- Design and development of web service built on Java, J2ee technologies, applying and identifying patterns and best practices.
- Design, implementation and delivery of bug tracking systems.

- Provided support for fixing production issues.

#### **Key Achievements:**

- Migrate the issues in bug tracking system to Jira.
- Assist and develop web services for transferring media data in different projects and partners with US-based gateway team.
- Develop electronic program guide to choose a program, including movie and tv program with is current showing or video on demand. They can also browse the information of their favorite program and celebrity, and we will suggest programs that they may like.
- Develop a personalized radio, collecting the preference from our users and play the music that they will love.
- Maintain the TV program data for different countries.

### **Assistant Software Engineer (The Hong Kong Education City Limited, Hong Kong) Jul 2006 – Jul 2007**

Responsible for design and implementation of large projects across the organization and contributed in reducing the cost and complexity of the company's IT system and free-up resources to further enhance its business growth plans.

#### **Key Responsibilities:**

- To design and implement Web based applications and services.
- To assist in system, database and architectural design according to project requirements.
- To assist in program testing and deployment of systems.
- To provide various technical and programming support to the project team.
- Take up ad-hoc duties as required.

#### **Key Achievements:**

- Create School Profiles to help parents to select the suitable schools for their children. We create a CMS for collecting school information, and then generate booklets in pdf format using VB and Adobe Indesign API. We also create websites for parents to search for schools.
- Work on KPI to show performance of the company in order to get the funding and projects from the government.

### **Temporary Product Support Engineer (Tradelink Electronic Commerce Limited, Hong Kong) Jun 2005 – Sep 2005**

Responsible for onsite technical support for the customer.

#### **Key Responsibilities:**

- To upgrade the software on our clients' site.
- To assist our client to get familiar with our new system.
- To respond to our client on their technical issues.

#### **Key Achievements:**

- Upgrade the software for our client on scheduled time.
- Report failure issues to our manager.

### **WEBSITE CREATED**

<http://www.classroom.com.hk/idiomworld>

It is our responsive e-learning platform for Chinese idioms. We develop the platform using ASP.NET MVC with C# and bootstrap.

### **EDUCATION**

MSc of Data Science and Business Statistics, CUHK (2010)

Degree of Bachelor of Engineering with Honors, Second Class Lower Division in Computer Engineering, CUHK (2006)

### **REFERENCES**

References are available on request