

# WAISON LEE

## Full Stack Developer

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full-stack software engineer with a global mindset and years of experience working in a bunch of different fields like eCommerce, Fintech, Blockchain, Data Management and building SaaS

### PROFESSIONAL EXPERIENCE

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AkselSoft , Boston, US

12/2023 –

#### **Founding Engineer**

- Leads the company's technological direction.
- Analyze latest technology trends and market potential.
- Responsible for customer partnerships.
- Manage projects.

Esplanade Ventures , Montreal, Quebec, Canada

04/2022 – 11/2023

#### **Full Stack Engineer**

- Led the development of a healthcare information system as the full-stack developer.
- Achieved a 15% increase in query efficiency by optimizing GraphQL schemas and utilizing batched requests.
- Engineered a secure and scalable RESTful API for the healthcare information system using Node.js, ensuring efficient communication between the front-end and back-end components.
- Executed interactive data visualizations using React components, enhancing the representation of healthcare data and facilitating a 50% better understanding for end-users.
- Integrated Redux for complex state management scenarios, contributing to a 40% decrease in application bugs related to state inconsistencies.
- Boosted UI responsiveness by utilizing useQuery with cached queries for efficient patient data fetching, complemented by useMutation to streamline data mutations and ensure a significant improvement in overall application performance.

Adaptive Media, Fortitude Valley, Australia

06/2020 – 04/2022

#### **Blockchain Full Stack Engineer (Remote)**

- Created a comprehensive Tokenomics model and authored a detailed white paper outlining the vision, features, and benefits of the NFT marketplace.
- Developed of the NFT marketplace for RD Land Coin, seamlessly integrating Unity WebGL to create an immersive user experience that captivated and delighted users.
- Improved 40% of security of the smart contract by auditing using Hardhat Unit Testing and Vulnerability Attack Testing.
- Implemented Online Payment using Bitfinex payment API to support the purchase using Crypto.

OCS Malaysia, Shah Alam, Malaysia

10/2018 – 06/2020

### **Full Stack Engineer**

- Developed an entertainment SaaS product, integrating React and Angular for dynamic front-end experiences and Django for robust server-side functionality.
- Utilized Pandas for data manipulation and analysis, ensuring efficient handling of large datasets within the platform.
- Worked on tasks such as frame extraction, object detection, scene segmentation, and video enhancement to deliver a rich and interactive user experience.
- Implemented MLOps practices on Google Vertex AI, setting up automated pipelines for model training, evaluation, and deployment, ensuring efficient and reproducible workflows.
- Improved front-end performance by employing efficient bundling strategies with Webpack and code-splitting techniques in React.

Merlino Software Agency, Subang Jaya, Malaysia

06/2016 – 09/2018

### **Marketing Data Analyst**

- Utilized Python for statistical analysis, resulting in a commendable 31% increase in the effectiveness of marketing campaigns.
- Automated repetitive tasks and workflows by developing custom scripts and utilities in Python, saving over 100 hours in manual work annually.
- Implemented nine interactive Power BI dashboards using Excel datasets and effectively conveyed data findings to stakeholders through visually appealing PowerPoint presentations.

Orpheus, Calgary, Canada

06/2015 – 06/2016

### **Research Assistant | Software Intern**

- Improved server-side logic for multiple projects, aligning with industry best practices in backend development with Node.js.
- Engaged in database administration tasks, writing optimized SQL queries for PostgreSQL and schema design for MongoDB and Neo4j.
- Integrated numerous third-party services and APIs on .NET to extend app functionalities, including payment processing, social media interactions, and geolocation services.

## **EDUCATION**

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University of British Columbia, Vancouver, BC, Canada

04/2012 - 08/2015

### **Master of Computer Science**

## **PROFESSIONAL SKILLS**

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**Languages:** Javascript, TypeScript, C#, Python, GraphQL, Html, Css

**Frameworks:** Node.js, Express.js .Net, Django, Next.js, Redux, Tailwind Css, Bootstrap

**Libraries/APIs:** React, Angular, Vue, RestAPI, FastAPI, Scikit-Learn, Pandas, D3.js, jQuery

**Platforms:** GCP, Docker, Azure, Firebase, Supabase, AWS(S3, DynamoDB, Lambda, ECS, SNS), Google Cloud (BigQuery,IAM, autoML, Vertex,)

**Storage:** PostgreSQL, MySQL, MongoDB, Neo4j, SQLite, JSON, XML

**Version & PM Control:** Git, GitHub, GitLab, Jira, ClickUp

**Others:** Product Development, Web Development, Full-stack Development, Front-end Development. Back-end Development, User Interface (UI), Entertainment, Video & Image Processing, MVP, Khanban, GPT, Kubernetes, Microservices, Financial Analysis, Billing Systems, Card Payments, A/B Testing, Web Analysis, IOT, Prompt Engineering, GenAI