

# Lee Ka Chun, Ken

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## EMPLOYMENT

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<b>Senior Analyst Programmer</b>	<b>China Construction Bank(Asia)</b>	<b>Dec 2022 – Current</b>
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- Developed, packaged and deployed API gateway applications with Java, Spring Boot and Maven
- Enhanced existing stored procedures using SQL
- Established CI/CD pipeline for static code analysis and open source vulnerability scanning
- Collaborated with team members and vendors to analyze project requirements

<b>Backend Developer</b>	<b>FreightAmigo Services Ltd.</b>	<b>Jul 2022 – Dec 2022</b>
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- Designed and implemented APIs for website and mobile apps using PHP
- Achieved website loading time reduction & improved database efficiency by optimizing logo picture storage
- Utilized SQL queries for generating reports
- Actively participated in Agile processes, utilizing Jira's features to enhance team collaboration

<b>Software Engineer</b>	<b>VTech Telecommunications Ltd.</b>	<b>Aug 2021 – Jul 2022</b>
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- Reduced AWS Lambda function running time by **75%** by resources reuse
- Developed serverless functions to process pre-provisioning checking of IoT devices
- Utilized AWS Lambda function and DynamoDB to manage and update data stored in NoSQL databases
- Automated cloud resource creation by developing and deploying Infrastructure as Code templates
- Implemented AWS CloudWatch metric alarms to monitor the health of applications

<b>Survey Officer (Quantity)</b>	<b>Architectural Services Dept.</b>	<b>May 2019 – Jan 2021</b>
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- Reduced time to produce financial statements by over **85%** by building relational formulas between cells to automate the computations in Excel

## SKILLS

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- Python, SQL, Java, JavaScript, TypeScript, HTML, CSS, PHP
  - Amazon Web Services, Git, Windows, MacOS, Linux, GitHub, Shell Scripting, Jira

## PROJECTS

### Trash image classifier

- A 8-layer Convolutional Neural Network machine learning sequence model implemented Adam optimizer and Relu activation function to predict whether a trash on images is made of paper, metal, plastic, or none of above.
- Increased the prediction accuracy from **55%** to **75%** by utilizing threshold-based filtering

## CERTIFICATES

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- |   |                                  |                     |
|---|----------------------------------|---------------------|
| • AWS Certified Solutions Architect - Associate | Amazon                           | Jan 2022 – Jan 2025 |
| • Using Databases with Python                   | University of Michigan, Coursera | Nov 2020            |
| • Using Python to Access Web Data               | University of Michigan, Coursera | Oct 2020            |
| • Python Data Structures                        | University of Michigan, Coursera | Sep 2020            |

## EDUCATION

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<b>Tecky Academy</b>	<b>Hong Kong</b>	<b>Feb 2021 – Jun 2021</b>
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- MicroMaster in A.I. & Programming

<b>City University of Hong Kong</b>	<b>Hong Kong</b>	<b>Sep 2012 – Jul 2015</b>
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- Bachelor of Science (Hons) in Surveying

## **LANGUAGES**

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- Proficient in written and spoken: English, Chinese