

# CHEUNG TAK LEUNG SIMON

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## Experience

### Career Hackers

June 2024 – Present

*Software Engineer (Full Stack + DevOps)*

- Delivered full-stack web applications using React.js, Node.js, and Python, supporting over 20,000 users with responsive, scalable interfaces and RESTful APIs.
- Architected and deployed over 10 AWS-based microservice platforms for global clients, including Fortune 500 companies and QS Top 50 universities, reducing operational costs by 72%.
- Developed cloud-native pipelines with AWS Step Functions, Lambda, and SQS to process 100K+ videos, integrating GenAI services (GPT, Gemini, Grok, Llama, DeepSeek) via Azure and GCP.
- Containerized back-end services with Docker and Nginx, and managed infrastructure with Terraform and CloudFormation for scalable deployment and maintainability.
- Built CI/CD pipelines using GitHub Actions, automating tests and releases, and cutting deployment time by 70%.
- Collaborated on front-end UI/UX development with React.js and ensured seamless integration with backend Express JS APIs.
- Pioneered the development and implementation of compliance strategies aligned with industry standards such as SOC 2, ISO 27001, and GDPR, setting the groundwork for future certifications.
- Led and mentored global intern teams, fostering agile development, code quality, and timely deliverables.

### Career Hackers

June 2023 – May 2024

*Backend Engineer Intern*

- Contributed to microservice development with Node.js and Python, improving modularity and system resilience.
- Designed serverless architectures with AWS Step Functions and Lambda for an AI-powered interview system, reducing processing latency by 50%.
- Built CI/CD workflows using AWS Amplify and GitHub Actions for front-end and back-end deployment pipelines.
- Collaborated with front-end developers on integration tasks, gaining hands-on experience with React.js.

## Certifications

Microsoft Certified: Azure Administrator Associate (*Microsoft*)

July 2024

AWS Certified Solutions Architect – Associate (*Amazon Web Services*)

November 2023

Fundamentals of Accelerated Data Science (*Nvidia*)

June 2022

## Technical Skills

- **Programming Languages:** Python, JavaScript (Node.js, React.js), Bash, SQL, R, HTML, CSS
- **Web Development:** MERN Stack (MongoDB, Express.js, React.js, Node.js), Next.js, Tailwind CSS
- **Cloud Platforms:** AWS, Microsoft Azure, Google Cloud Platform (GCP), Alibaba Cloud
- **DevOps & Infrastructure:** Docker, Terraform, Ansible, CloudFormation, Serverless Framework, Nginx
- **CI/CD & Version Control:** Git, GitHub Actions, AWS Amplify
- **AI Integration:** Prompt Engineering, LLM APIs (Azure OpenAI, Google GenAI, DeepSeek)
- **Concepts:** Full Stack Development, Infrastructure as Code, Microservices, Cloud-Native Architecture, CI/CD, Machine Learning, Statistical Analysis, Basic Networking, Basic Ethical Hacking (eJPT in progress)

## Education

The Chinese University of Hong Kong

August 2020 – July 2024

*Bachelor of Science in Statistics*

*Second Class (Upper Division)*

- Related courses: Web Development, Database Management, Data Structures and Algorithms, Regression Analysis, Time Series, Recommender Systems, Deep Learning.

## Extracurricular Activity

Algo Trading Challenge 2023/24

November 2023 – March 2024

*Algo Challenge Association*

*First Runner-Up*

- Collaborated with a team of four to design and implement a MACD-based trading algorithm, to win First Runner-Up for Best Sharpe Ratio and Best Strategy Design among numerous global competitors.
- Conducted time series analysis on BTC-USDT perpetual future contracts, deriving trading insights and optimizing the algorithm for risk-averse investment strategies.

## Languages

• Native in Cantonese

• Fluent in Mandarin

• Fluent in English