



Andrew Trieu

Cloud Software Student

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PROFESSIONAL EXPERIENCE

Junior Research Assistant

Lappeenranta-Lahti University of Technology LUT 

Via Kempower Electric Mobility Research Center (EMRC)

- Consulted on the design and implementation of AWS-based ETL workflows for charging station networks and Fintraffic data
- Created spatial visualizations in QGIS to enhance insights for infrastructure and traffic management.

10/2024 – present
Lahti, Finland

Cloud Software Trainee

Kempower Oyj 

- Developed a scalable scheduling system using AWS Lambda, DynamoDB, Kinesis, and SQS to manage mass update for EV charging stations.
- Integrated AWS EventBridge, Fargate, and ElastiCache to streamline OCPP event redundancy processing from E.ON Switch.
- Developed and maintained 100+ tests, improving frontend and backend coverage of many services to over 80%.
- Enhanced Elasticsearch with optimized schemas, enrichment policies, and queries, boosting search speed by 30%.
- Automated testing and deployment using Bitbucket pipelines and GitHub Actions, increasing deployment frequency while minimizing human error.
- Implemented Infrastructure as Code (IaC) using AWS CloudFormation to provision and manage resources, reducing infrastructure provisioning time by 40%.

05/2023 – 08/2024
Hybrid, Finland

EDUCATION

Master of Science in Technology - Digital Systems and Service Development

Lappeenranta-Lahti University of Technology LUT

2024 – present
Finland

Bachelor of Science in Technology - Software and Systems Engineering

Lappeenranta-Lahti University of Technology LUT

2021 – 2024
Finland

SKILLS

Languages and Frameworks

Python, JavaScript/TypeScript, Java, Angular, React, Node.js, Serverless Framework

Cloud and Infrastructure

Amazon Web Services (AWS), Terraform, Docker, Kubernetes, Linux/Unix

Databases and Storage

MySQL, PostgreSQL, MongoDB, DynamoDB, Redis, ElasticSearch

Development and Operations Tools

Git, CI/CD (Github Actions, Bitbucket Pipelines), Jest, Playwright, Jira, Scrum/Agile

CERTIFICATES

AWS Certified Solutions Architect - Associate

Issued October 2024 - Expires October 2027

AWS Certified Developer - Associate

Expected April 2025

Full Stack Open

Issued by the University of Helsinki

Data Scientist with Python

Issued by Datacamp