

MATTHEW LESKO-KRLEZA

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WORK EXPERIENCE

Amazon Robotics — Software Engineer

May 2021 - Present

Focus: Back-end and Cloud Services

- Developed back-end features using Kotlin for Amazon's fulfillment stations to instruct associates in completing Amazon orders, fulfilled over 20M orders;
- Developed back-end large-scale cloud services using Kotlin, AWS (CDK, Lambda, ECR, S3, DynamoDB, CodeBuild, CloudWatch), and TypeScript to coordinate orders for Amazon stations, fulfilled over 10M orders;
- Developed DevOps features with TypeScript and AWS to deploy software to 100s of Amazon fulfillment stations;
- Improved computer vision system to reduce costs in delivery centers by improving average prediction accuracy from 40% to 87% by using thresholding algorithms and Java;
- Got promoted, mentored employees and interns to get them promoted and to receive return offers, lead AWS workshops to upskill our organization's engineers, and improved development processes with Bash scripts;

Amazon Robotics — Machine Learning Software Engineer

June - August 2019

- Developed back-end features, a computer vision system and a data collection pipeline with camera hardware, Python and AWS to automate inventory-control and save on costs in fulfillment centers;
- Trained and evaluated machine learning models with Python, AWS SageMaker, and PyTorch.

Deloitte — Full-Stack Software Engineer

May - September 2018

- Developed back-end and front-end features for a Salesforce CRM solution to improve sales process for a multi-billion-dollar client using Apex (Java-like OOP language), JavaScript, HTML, and SQL on aggressive deadlines;
- Implemented data integration solution between Salesforce CRM and accounting systems using Event-Driven Architecture, Mulesoft Rest APIs, and Apex.

Ericsson — Software Engineer

May - September 2017

- Improved automated testing for a content-delivery network with Java (tested over 15'000 lines of code) and with static code analysis tools using Bash and Jenkins CI.

OTHER NOTABLE PROJECTS

GoLang Compiler in C and Java

February - May 2020

Implemented a compiler in C to compile a significant subset of GoLang into Java. Over 11'000 lines of code, and 400 test cases. Available at <https://github.com/sophiawho/GoJava>

SKILLS

Languages: Java/Kotlin, Python, C, TypeScript, SQL, Bash; **Software Engineering:** 5+ years; **Machine Learning and Learning Algorithms:** 4 years; **Cloud Computing:** AWS (3 years); **Tools:** Gradle, Pip, NPM, Git (6+ years), Docker (5+ years); **Linux:** 5+ years.

EDUCATION

McGill University — M.Sc. Computer Science with Thesis, B.Eng. Computer Engineering

- M.Sc. Thesis work: Developed machine learning and data processing pipelines to perform a novel approach to unsupervised tumor localization in CT scans of livers using Python, PyTorch, and CometML ([Link to Thesis](#));