

# Christian Bilevits

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## EDUCATION

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- **Faculty of Engineering, Lund University** Lund, Sweden
  - *Master of Science in Engineering, Information and Communication Engineering Technologies* *Aug. 2016 – Feb. 2022*
    - **Master's Thesis:** Data Ecosystem as a Solution for Intra-Organizational Data Sharing: Benefits, Challenges and Requirements (Developed at Axis Communications AB)
- **Polhemskolan** Lund, Sweden
  - *Engineering, Specialization: Computer Science and Information Technology* *Aug. 2013 – June. 2016*

## EXPERIENCE

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- **IKEA of Sweden AB** Malmö, Sweden
  - *Software Engineer* *March 2022 - Present*
    - **PKI:** Developed a cost-effective Matter PKI solution using AWS KMS.
    - **Development:** Built a serverless Firmware Over-the-Air (OTA) system for IoT devices on AWS, enabling conditioned firmware distribution and improved device management. Also held in workshops on agile methodologies, new tools and programming languages, enabling knowledge sharing and team development.
    - **Amazon Web Services (AWS):** Worked with a wide range of AWS services, including CloudFormation, S3, CDK, DynamoDB, Lambda, and API gateway for building and managing cloud infrastructure and APIs.
    - **GitHub Actions:** Automated software development lifecycle with GitHub Actions, including code validation, unit testing, version control and deployments.
    - **Splunk:** Created insightful dashboards and real-time alerts for infrastructure monitoring, enabling proactive problem identification.
    - **Akamai:** Setting up and configuring domains for different systems, using both akamai directly and via terraform.
- **Axis Communications AB** Lund, Sweden
  - *Student Software Engineer* *June 2018 - Feb 2022*
    - **Amazon Web Services (AWS):** Worked mainly with CloudFormation, S3, CodePipeline, Athena, DynamoDB, EC2 and Lambda.
    - **Gerrit, Eiffel and RabbitMQ:** Developed a library in Java that converts Gerrit events to Eiffel events, also developed a POC service that takes messages from RabbitMQ, converts them using the library and then sends it back to RabbitMQ.
    - **Elastic:** Set up and used Elasticsearch, Logstash and Kibana.
    - **Flask, Django and FastAPI:** Solo developed a website with Python using Flask for easier usage of advanced tools in Kibana. Developed an API for sending and validating configuration files before sending to AWS S3.
    - **Development:** General automation Python scripts and Painless scripts for Elastic. Did some machine learning on their products to find anomalies in their updates before release. Developed Python and shell script plugins for retrieving diagnostic data from cameras and transforming the retrieved data. Implemented a configuration system for a large system using Go.

## SKILLS

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- **Languages:** Swedish, Danish, English
- **Programming Languages:** Python, Go, Typescript, Javascript, Java, SQL, JSON, Painless, HTML, CSS

## OTHER

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- **Websites:** Created multiple websites, including design and developed a website for Kronan Assistans AB, 2016.
- **Telegram Bot:** Created a chat bot using different API's; Google, Wolfram Alpha, Wikipedia and developed an simple AI chat bot.
- **Telegram translation:** Translating the application Telegram to Swedish.
- **Google Hash Code:** Participated in Google Hash Code 2017 and 2021. In 2021 were my team place 303 of more than 10 000 teams. <https://bit.ly/3mTqDJg>