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Summary

Freelance IT professional with a big heart for AWS Cloud and DevOps. Passionate traveller, problem solver and eager to bring your applications to the Cloud!

Experience



DevOps Engineer

Telenet

Oct 2023 - Dec 2023 (3 months)

- Location: Mechelen, BE
- Short term contract
- Set up a staging environment from scratch using existing infrastructure and CI/CD pipelines; GitLab, Terraform, AWS, AWS Lambda, Python, Docker
- Documented the process of setting up a new Staging environment and documented unexpected errors; documentation was written using MkDocs Material for a professional look and feel
- Provided in-depth consultancy on how to work with several aspects of AWS in regards to tagging resources and the inner workings of AWS Lambda for their specific use cases
- Reviewed current infrastructure and CI/CD pipelines, documented issues found on Jira as improvement stories



DevOps Engineer

Nike

Nov 2022 - Mar 2024 (1 year 5 months)

- architected and built an automated end-to-end testing pipeline which tests ETL flows across multiple teams on Databricks; it checks whether all the teams' data workflows are working together as expected; Databricks, Jenkins, Python
- implemented CI/CD pipelines for Databricks projects; Databricks, Jenkins, Python
- continued support for Kubernetes clusters
- set up 10+ Airflow instance clusters



DevOps Engineer

Nike

Nov 2021 - Nov 2022 (1 year 1 month)

- multitude of Kubernetes cluster migrations between old and new AWS platforms, all the way up to production; Kubernetes, EKS, Apache Airflow, Python, Jenkins, Terraform
- set up brand new Kubernetes environments on AWS for several teams; Kubernetes, EKS, Terraform, Python, Jenkins
- administrated development and reviewing processes; GitHub
- automated AWS S3 syncs across multiple AWS accounts
- architected and implemented a solution for a manual time management business process; the business migrated to a new badging and time tracking tool, for which they wanted no manual review

and editing process of invalid time entries; the solution syncs Box into AWS S3, from where AWS Lambda picked up the files and filtered invalid time entries; AWS Lambda, Python, Box, cronjobs, AWS S3



DevOps Engineer

Nike

Aug 2020 - Nov 2021 (1 year 4 months)

- maintained the DevOps foundation of Nike Europe together with +50 DevOps colleagues in an agile environment
- effectively increased the SLA performance and automated a support team's efforts with a nightly monitoring application for automated detection, reporting and restarting of failed ETL jobs; these jobs move data used in daily reports which are critical for distribution centre decision making and prevent the business from running their distribution centres blindly; Python, Jenkins, Docker, MSSQL
- automated version and release management with a CLI tool written in Golang; it enables teams to manage git versions in uniform fashion; Golang, Docker, Homebrew, Jenkins, Groovy
- interviewed software engineering profiles to fill positions

Full Stack Engineer

MooBii by TerminalSession

May 2021 - Jun 2021 (2 months)

- Location: Antwerp, BE
- architected and implemented a .NET REST API backend which integrates with the Belgian government's eHealth patient platform; +20 healthcare clients are using the APIs behind the scenes daily for all their patients; C# .NET
- maintained Azure environment and compute instances; Azure App Service, Terraform
- set up git repositories and deployment pipelines for the REST API; Azure DevOps
- implemented JSON Web token encryption and signing to authenticate with the eHealth services; C# .NET
- set up the certificates used for encryption and signing; Azure, Terraform
- set up secrets used for encryption and signing; Azure, Terraform
- RESTified the government VESTA SOAP API; C# .NET, SOAP, REST



Senior Consultant

Capgemini

Nov 2016 - Dec 2019 (3 years 2 months)

- led a development community together with eager colleagues to organize fun and interesting events, ranging from knowledge sharing sessions to beer tastings at Duvel Moortgat
- coached and trained colleagues in the basics of AWS and cloud in Brussels, Amsterdam and Berlin
- organised and executed AWS certification workshops
- lead developer at an internal project responsible for the DevOps processes, pipelines, quality assessment, AWS infrastructure and delivery; Angular/SASS/HTML frontend hosted with S3 and CloudFront, ApiGateway/Lambda/DynamoDB/Cognito backend, facilitated with IAM, Route53 and Certificate Manager; key aspect was to deliver the application, work with leading technology and make it fun for colleagues to work on, both onshore and offshore



Cloud Engineer

Barclays

Sep 2019 - Nov 2019 (3 months)

- location: Manchester, UK
- worked together with a team of a brand new iOS application within the client's transformational business unit, closely working together with the platform team to make sure the application team can do their work for the backend of a brand new iOS application; the application and platform grew side by side
- conceptualized application and platform solutions together with the Solution Architect of the platform team
- built architecture documents and diagrams for the application backend
- indicated and highlighted priorities the application team required of the platform team; which AWS services and existing AWS infra (e.g. networking, pipelines, permissions) were required for the application team to do their work on the platform
- reiterated with the team to make sure the architecture concept for the backend fulfill the requirements
- implemented first phases of the application backend with ApiGateway, Lambda (Golang) and SAM; other services involved: S3, Route53, DynamoDB, Cognito, IAM, EC2, ECS, CloudFront, VPC, WAF and deployments were done with CloudFormation and SAM
- put DevOps processes into place to build, test and deploy the serverless backend application with the click of a button
- interviewed DevOps profiles to fill positions within the application and platform teams



Cloud Engineer

ABN AMRO Bank N.V.

Oct 2018 - Aug 2019 (11 months)

- location: Amsterdam, NL
- led 4 teams in migrating their backend services to AWS
- led 1 team in launching their greenfield API project on AWS
- coached and trained (~40) colleagues to ready them for the maintenance of their application on AWS
- built architecture documents and made propositions to be validated by multiple boards of the client, e.g. board of architects, monitoring, CI/CD
- carried processes for approvals and assessments
- wrote user stories for the team to work on
- implemented proposed containerised services with ECS clusters, RDS, S3, Route53 and VPC
- implemented proposed serverless APIs with ApiGateway, Lambda and DynamoDB
- implemented pipelines for the applications using Bitbucket, CodePipeline, CodeBuild
- worked closely with the client's team of platform engineers and conceptualised how these older services can be migrated to AWS
- worked closely together with the AWS engineers at payment start-up Tikkie, by ABN Amro, sharing knowledge and practices



Full Stack Engineer

ABN AMRO Bank N.V.

Sep 2017 - Oct 2018 (1 year 2 months)

- location: Amsterdam, NL
- maintained the frontend foundation of ABN Amro in an agile environment
- developed frontend development tools to streamline the frontend IT processes in Node.js, providing 50 teams of frontend developers the means to develop and test their components with ease

- effectively reduced the frontend pipeline's duration by almost 95%, from 1.5 hour to under 10 minutes which saved hundreds of developers from waiting multiple hours every day; by migrating frontend protractor testing from Jenkins pipeline instances to AWS Lambda enabling parallel execution of tests
- developed frontend performance monitoring tool using AWS EC2, ECS, Batch and Lambda
- developed frontend components in AngularJS/SASS/HTML



Web Developer

Puratos

Aug 2017 - Sep 2017 (2 months)

- refactored older frontend components in AngularJS/SASS/HTML using the Jekyll framework
- created new frontend components in AngularJS/SASS/HTML using the Jekyll framework



Full Stack Engineer

Argenta

Dec 2016 - Jun 2017 (7 months)

- refactored older frontend components in AngularJS/SASS/HTML using the Jekyll framework
- created new frontend components in AngularJS/SASS/HTML using the Jekyll framework



Full Stack Engineer

FLAVR - homemade meals

Jun 2016 - Jul 2016 (2 months)

- created new frontend components in AngularJS/SASS/HTML (MEAN stack)
- created new backend components in Node.js/Express/MongoDB (MEAN stack)
- created responsive e-mail templates for the marketing strategy in MJML and put devops processes in place for version control and quality assessment
- maintain AWS EC2 environments
- support role for production
- startup environment



Developer

primion Benelux

Jul 2012 - Jul 2012 (1 month)

- created Python scripts for test automation, saving testers the effort of manual clicks
- created Ruby scripts for text manipulation, to be used to manipulate big archives



Developer

Centrauto Group

Jun 2011 - Jul 2011 (2 months)

- archive automation

Education



Karel de Grote-Hogeschool

Bachelor's Degree, Applied Computer Sciences - Application Development

2013 - 2016



University of Antwerp

Bachelor of Applied Science (B.A.Sc.), Computer Sciences
2011 - 2013

Sint-Michielscollege Schoten

High School, Mathematical Sciences
2009 - 2011

Sint-Michielscollege Schoten

Latin - Classical and Ancient Studies
2005 - 2009

Licenses & Certifications



Amazon Web Services Solutions Architect Associate - Amazon Web Services (AWS)



Amazon Web Services Developer - Associate - Amazon Web Services (AWS)



Professional Scrum Master I - Scrum.org

Skills

Airflow • Terraform • Databricks • Snowflake • Automation • HTTP • SOAP • mTLS • .NET • API