

Bartek Zakrzewski

DevOps Engineer

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DevOps Engineer with 7 years of experience.

Experience

Pearson - DevOps Engineer (Sep 2023 - Present, Poznan, Poland)

Supporting and hardening multiple products; on-call rotation.

- Migrated CI/CD pipelines: GitLab to Jenkins and Jenkins to GitHub Actions
- Migrated 5 projects from PagerDuty to Jira Service Management and New Relic, including SNS and SES integration
- Hardened products with HSTS, CSP, and related security headers; set up a VPC interface endpoint to route internal traffic to a project in a different region
- Overcame S3 & CloudFront limitations using Lambda@Edge
- Provisioned Azure infrastructure with Azure OpenAI for an AI application
- Provided infrastructure for an AI application built on Step Functions, Bedrock, and AWS Transcribe
- Reduced costs by upgrading an AWS RDS instance off extended-support billing

AWS CloudFront WAF VPC ECS (Fargate / EC2) Lambda Step Functions Route53 IAM VPC Endpoints MongoDB RDS Terraform Terragrunt CodeBuild
Ansible New Relic Jira Service Management GitHub Actions GitLab CI Jenkins Azure OpenAI Bedrock AWS Transcribe

Valtech - Cloud Engineer (Jan 2023 - Sep 2024, Remote)

Cloud engineering for a large UK retail platform (under NDA).

- Migrated the Terraform workflow from Atlantis to GitLab CI
- Improved and upgraded internal Terraform modules
- Introduced a modular approach in Terraform, modifying tfstate in production
- Built Elasticsearch queries and thresholds to alert on production Lambda failures
- Slack alerting

AWS API Gateway Lambda Workspaces SQS Glue Route53 Terraform Atlantis Elasticsearch Kibana Grafana Docker Jenkins GitLab CI Slack

Merixstudio - DevOps Engineer (Nov 2021 - Dec 2022, Poznan, Poland)

Supported live projects, added new functionality, and built internal infrastructure.

- General infrastructure-related tickets
- Supported developers
- Created a pipeline for automated E2E Cypress testing
- Operated an internal Kubernetes cluster on GCP for the development team, using Helm charts
- Built a monitoring stack for internal services using Loki, Prometheus, and Grafana on Hetzner Cloud
- Prepared AWS cost quotations for prospective projects and took part in client kickoffs

AWS ECS RDS Lambda SQS SNS EventBridge Route53 WAF Terraform Kubernetes Helm GCP Hetzner Cloud Grafana Prometheus Loki GitLab CI
Ansible Docker Compose Cypress

Previous Experience

- **GFT** - DevOps Engineer (Apr 2021 - Nov 2021, Poznan, PL) - On-premises to cloud migration for London Stock Exchange Group. Docker Kubernetes Terraform Jenkins AWS Ansible Artifactory
- **M-sense by Newsenselab** - Software Developer Intern (Jun 2019 - Jun 2020, Berlin, DE) - Medical app (M-sense) against headaches. Adding features to existing JS functions. Creating multi-environment infrastructure for product's CMS website using docker-compose. Node.js GitLab CI Mocha Docker Shell AWS Terraform TDD Agile
- **Better-IT Limited** - Web Developer (Feb 2018 - May 2021, Leicester, UK, part-time) - Website and WordPress template development and maintenance. PHP HTML CSS JavaScript WordPress

Outside of Work

- e-transkrypcja.pl - a live, serverless product that lets users get paid transcription of any video or audio file. Built on AWS Lambda + Step Functions as a user-friendly layer over AWS Transcribe, with Stripe payments. Currently serving the Polish market; built and operated solo.
- Currently reading *The Kubernetes Book* (Nigel Poulton) and preparing for the **Certified Kubernetes Administrator (CKA)**.
- Home lab: Home Assistant automations, Pi-hole, AirPlay streaming, and self-hosted local services.

Education

- **BSc (Hons) Software Engineering** - De Montfort University, Leicester, United Kingdom (09-2017 - 07-2021)
Thesis: dating portal with a matching algorithm (Node/Nest, MongoDB, React, AWS).
- **Secondary Technical School (IT specialisation)** - Szczecin, Poland (09-2013 - 05-2017) — IT Technician certificate

Certifications

- AWS Certified Solutions Architect - Associate (11-2022)
- In progress: preparing for **Certified Kubernetes Administrator (CKA)**

Contact

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