MATEUSZ BOJANOWSKI

Software Cloud Engineer

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PROFESSIONAL SUMMARY

Software Cloud Engineer with 7+ years of experience specializing in Python backend development and cloud infrastructure. Extensive experience in AWS/Azure platforms, PostgreSQL, and Linux environments. Strong track record in containerization (Docker/Kubernetes), CI/CD implementation, and DevOps practices. Experience with Python web frameworks including Django/Flask/FastAPI. Solid background in Go and Kubernetes operators.

Career Development Goal: Actively pursuing growth toward AI Cloud Architect and Data Cloud Architect roles. Currently expanding knowledge in AI agents, modern GitOps practices, machine learning operations, and data architecture patterns to transition from backend development expertise into intelligent system design at enterprise scale.

COMMERCIAL EXPERIENCE

02.2022 - 05.2025 Software/DevOps Engineer | *Icetek*

Cloud Data Platform:
➢ Stack: AWS: (EC2/NAT/EKS/NLB/S3/Route53/RDS/Lambda), Azure: (VMs/NAT), K8s
  Python (Celery, Flask), Go (Gin, Kubebuilder), TypeScript (NestJS), RabbitMQ, PostgreSQL, Helmfile, Terraform, JupyterHub, Grafana, Prometheus, Loki, Github Actions, Ansible.

  Developed and maintained a scalable Cloud Data Platform with data processing features. Optimized infrastructure (IaC) to reduce cloud costs. Created comprehensive documentation and architecture diagrams improving team onboarding efficiency. Implemented monitoring solutions using Grafana, Prometheus, and Loki stack. Managed containerized deployments across multiple Kubernetes clusters using Helm/Helmfile.

AI-Powered X-ray Platform:
➢ Stack: AWS: (ECS/App Mesh/API Gateway/Lambda/CloudWatch), MongoDB, Python (Flask)

  Developed both frontend and backend of a web application used for X-ray image analysis. Deployed multiple containerized services in AWS ECS, integrating machine learning models to generate outputs for users. Collaborated on improving system performance by optimizing service architecture and reducing latency.

Batch Job Orchestrator:
➢ Stack: Go (Gin, Kubebuilder), K8s, Minikube, RabbitMQ, PostgreSQL, Python

  Implemented a custom Kubernetes Operator to dynamically manage pods based on real-time queue status. Developed client SDKs in Python and Go.

05.2018 - 10.2021 **Python Cloud Developer / DevOps Engineer** | *PGS*
CI/CD Infrastructure:
➢ Stack: AWS: (EC2/ECS/API Gateway/Lambda), Python, Terraform, GitLab

Served as DevOps engineer delivering CI solutions across multiple teams. Responsible for deploying AWS infrastructure using Terraform. Developed and maintained CI/CD pipelines with Terraform, and GitLab. Supported infrastructure automation and monitoring to ensure system reliability and scalability.

Telecom Infrastructure Platform:
➢ Stack: AWS: (EC2/ECS/API Gateway/Lambda/S3/RDS), Python (Django), Terraform, Jenkins

Django-based web application for telecom infrastructure site selection - developed RESTful APIs, integrated geospatial data analysis. Development AWS infrastructure using Terraform for scalable web application deployment.

Cinema Advertisements Platform:
➢ Stack: Python (CherryPy), RabbitMQ, Celery, Vue.js

Worked on a web service responsible for managing cinema advertisements and calculating campaign costs for clients. Primarily focused on backend development, with occasional contributions to the frontend.

04.2017 - 04.2018 **Software Engineer** | *Intel*

Testing Framework for Network Cards:
➢ Stack: Python/Bash/Powershell/KVM/vmware

Led development of an internal automation environment in **Python**, including design and implementation of new features. Conducted code reviews and mentored interns, managing task planning and technical guidance.

08.2015 - 04.2017 **Network Software Engineer** | *Intel*

Testing Network Cards:
➢ **Stack**: Bash/Powershell/Python/vmware
Created comprehensive test suites covering edge cases and performance scenarios. Automated testing of network drivers for **ESXi** systems.Developed custom Python wrappers for vSphere APIs using SOAP to integrate testing tools.

TECHNICAL SKILLS

➢ **Programming Languages:**
  ○ **Primary**: Python, Go
  ○ **Secondary**: JS, C/C++, Bash, PowerShell

- ➢ **Databases & Data Management:**
  - ○ **Relational**: PostgreSQL, MySQL, SQL
  - ○ **NoSQL**: MongoDB, DynamoDB
  - ○ **Data Warehousing**: Amazon Redshift
  - ○ **Message Queues:** RabbitMQ, Celery, Kafka (non-comercial)

- ➢ **Frameworks:**
  - ○ **Python**: FastAPI, Flask, SQLAlchemy, SQLModel, Django, Pydantic, Alembic
  - ○ **JS**: NestJS, React
  - ○ **Other**: CrewAI (non-comercial), CUDA (non-commercial)

- ➢ **Cloud Platforms & Architecture:**
  - ○ **AWS:** EC2, ECS, EKS, Lambda, S3, RDS, API Gateway, CloudWatch, Glue, DMS
  - ○ **Azure:** Virtual Machines, Vault
  - ○ **IaC:** Terraform, Ansible
  - ○ **Containerization:** Docker, Kubernetes, Helm

- ➢ **DevOps:**
  - ○ **CI/CD:** Jenkins, GitLab, GitHub Actions
  - ○ **Monitoring:** Prometheus, Grafana, New Relic, CloudWatch
  - ○ **GitOps**: ArgoCD (non-comercial)

CERTIFICATIONS

- ➢ Machine Learning: cert
- ➢ CKA, AWS Developer – Associate, AWS Solutions Architect – Associate - cert

EDUCATION

2010 - 2014   Bachelor of Engineering in Gdansk University of Technology, in the department of Algorithms and System Modeling.

LANGUAGES

English   Intermediate B2 in speech and writing.

ADDITIONAL SKILLS AND CERTIFICATES

- ➢ Driving license B
- ➢ Communicative, loving working in a group and sharing knowledge with others

PERSONAL INTERESTS

- ➢ Table Tennis, Skiing, Ninja OCR 🥷