

# Artem Kuznetsov

Backend Engineer | DevOps

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## EDUCATION

**Faculty of Information Technology CTU in Prague**

*BA Software Engineer*

Prague, Czech Republic

*Sep. 2021 – July 2025*

## EXPERIENCE

**DevOps Engineer**

Mar. 2025 – Present

*Technology Agency of the Czech Republic*

- Maintain and monitor production and staging environments on **Google Cloud Platform (GCP)** using **Kubernetes (GKE)** and internal monitoring tools
- Develop and maintain **GitLab CI/CD pipelines** with Python-based automation scripts for deployments, environment synchronization, and configuration validation
- Contribute to infrastructure-as-code (**Pulumi**) repositories defining **IAM policies**, **GKE resources**, and deployment configurations
- Design and deploy **FastAPI** microservice for document format conversion using **Pandoc** and **Asciidoctor**

**Backend and DevOps Engineer**

Jan. 2024 – Present

*Student Club Buben, CTU Student Union*

- Design and maintain the club's IT infrastructure on **Proxmox**, deploying and managing open-source applications
- Configure reverse proxy (**Traefik**) with OpenID Connect authentication, SSL certificates, and routing
- Collaborate in a team on integrating **REST APIs** (**FastAPI**, **PostgreSQL**, **SQLAlchemy**, **Alembic**) with the frontend
- Integrate **Keycloak** for auth (**OIDC**, **JWT**), and **Google Calendar** for scheduling
- Develop and manage **GitHub Actions** pipelines for testing, tagging, and publishing images to Docker Hub
- Enforce code quality standards with **mypy**, **ruff**, and **pytest**, and conduct peer code reviews

## PROJECTS

**BUK Reservation System (Android)**

May 2024 – June 2025

- Developed an Android application for managing and creating room reservations (**Jetpack Compose** for UI, **RoomDB** for local data storage, **Retrofit** with Kotlin Serialization for API communication, and **Koin** for dependency injection)
- Designed a clean **MVVM** architecture separating UI, domain, and data layers for scalability and maintainability
- Integrated **Firebase** Analytics and Crashlytics for monitoring and debugging

**Your Trail Around Earth**

Jan. 2023 – Feb. 2023

- Developed a travel tracking application in **SwiftUI** enabling users to log visited countries, cities, and places, and share their travel impressions through a social feed
- Integrated external **REST API** to automatically fetch and display key information about locations (language, currency, and region details), minimizing manual input
- Implemented a clean **MVVM** architecture for clear separation between presentation, logic, and data layers, ensuring scalability and testability
- Enhanced user engagement by designing an intuitive UI with smooth navigation, responsive layouts, and dynamic content updates using **Combine**

## TECHNICAL SKILLS

**Languages:** Python, Java/Kotlin, Swift, C/C++, HTML/CSS

**Frameworks:** FastAPI, Spring Boot, Jetpack Compose, SwiftUI

**Databases:** PostgreSQL, SQLite, RoomDB, Redis

**Version control:** Git (GitLab, GitHub)

**Developer Tools:** CI/CD, Docker, Kubernetes, Google Cloud Platform, ArgoCD, Pulumi, Dapr

**Natural Languages:** Czech, English, Russian