

# Ivan Kokalović

Bremen, Germany • ivankokalovic@protonmail.ch • github.com/koke1997 • linkedin.com/in/kokalovic  
github.com/koke1997

## Experience

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### Backend Developer

Leipzig, Saxony, Germany

Research Industrial Systems Engineering (RISE)

June 2025 – present

- Manage infrastructure, IAM, and backend development using Terragrunt, Java, Terraform, and Docker
- Build proof of concepts for new initiatives
- Work on infrastructure automation and deployment pipelines

### Technical Services Engineer

Munich, Bavaria, Germany

IDnow

Aug 2022 – June 2025

- Managed Jira boards for technical issues within SLA-based priority system
- Performed Level 3 engineering tasks and provided pre- and post-sales technical support
- Maintained and developed OCR engines, delivered RCA statements for stakeholders
- Supported clients with SDK installations for Android and iOS platforms
- Wrote lambda functions for internal configuration system and fixed HOCON (Java) syntax errors
- Monitored and investigated errors using Graylog, Docker logs, and Grafana
- Developed internal scripts in Bash, Python, and PowerShell
- Created MySQL query templates and managed multiple Jira boards
- Coordinated technical feature requests and participated in customer escalation meetings

### Fraud Prevention Specialist

Leipzig, Saxony, Germany

IDnow

Oct 2021 – Aug 2022

- Created real-time dashboard for fraud cases with data from multiple sources
- Set up OCR Tesseract for big data analysis
- Trained new members during onboarding phase
- Worked with security print experts from Interpol and Gemalto
- Prepared training materials for Fraud Prevention Specialists
- Participated in team that introduced internal AML system
- Served as technical contact point and conducted quarterly fraud analyses

### Ident Specialist

Leipzig, Saxony, Germany

IDnow

Mar 2021 – Sept 2021

- Handled inbound requests and guided customers through identification process
- Performed manual reviews and managed night shifts with on-duty calls
- Reviewed and analyzed customer data to ensure compliance with requirements
- Collaborated with technical support team to resolve issues promptly
- Handled sensitive information with high level of discretion and professionalism

### Chief Executive Officer and Founder

Mostar, Bosnia and Herzegovina

In Voice d.o.o.

Mar 2019 – June 2020

- Founded IT and marketing solutions company with initial capital of €500
- Registered company in Mostar under MBS number 58-01-0029-19
- Established employee-owned company structure outlined in internal statute
- Cultivated exceptional talent from within rather than external hiring
- Built teams that continue to thrive and make impact

## Information Technology Consultant

*Media One*

*Mostar, Bosnia and Herze-*

*govina*

*Aug 2018 – Mar 2019*

- Provided consulting and maintenance for VoIP systems
- Optimized hardware costs by leveraging optical fiber networks
- Built sales CRM using Google Apps with JSON, JavaScript, Python, C++, SQL
- Developed scalable invoice factoring system and automation scripts
- Secured investments from Berlin and Zagreb
- Built custom OCR endpoint with Beowulf cluster for invoice processing
- Developed custom dictionary for OCR engine and assembled distributed system from multiple machines

## Education

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### University of Mostar

*2018 – present*

*Bachelor's degree (In Progress) in Information Technology*

- Focus on databases, data science, and financial analysis

## Skills

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**Backend & Infrastructure:** Java, Terragrunt, Terraform, Docker, REST APIs

**Programming Languages:** Python, Bash, PowerShell, JavaScript, C++, SQL

**DevOps & Monitoring:** Graylog, Grafana, Docker, Linux, SoftEther

**Technologies & Tools:** Jira, Confluence, MySQL, OCR (Tesseract), Lambda Functions, HOCON

**Systems & Methodologies:** IAM, SLA Management, AML Systems, Fraud Prevention, Technical Support

**Soft Skills:** Creative Problem Solving, Project Management, Technical Documentation

## Certifications

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**Python Essential Training:** LinkedIn Learning

**Reactive Architecture - Introduction to Reactive Systems:** Lightbend Academy

**OpenEDG Python Institute - Programming with Python:** Professional Certificate

**Java Foundations by JetBrains:** Professional Certificate

**Jira Fundamentals Badge:** Atlassian

## Projects

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**LabanCompiler:** Computer vision tool converting video to Labanotation dance notation (Python, 7 stars)

**ScalaCast:** Distributed video streaming server with peer discovery and fault tolerance (Scala)

**Terraform MCP Server:** Model Context Protocol server for Terraform/IaC automation (Go)

**Kolo:** Keycloak CI/CD automation toolkit (TypeScript)

## Languages Spoken

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**Languages:** German (Native), English (Native), Croatian (Native), Serbian (Native), Slovenian (Limited), Spanish (Elementary)