VLAD-EMIL FLORE

Software Engineer

PROFILE

- 10+ years of experience as a Software Engineer with a strong focus on backend development using Java, Kotlin, and Python
- Extensive hands-on experience with the Spring ecosystem and other frameworks, always choosing the right tool to meet client needs
- Proven ability to lead development teams in agile environments, ensuring timely delivery and code quality
- Worked on both greenfield and brownfield projects across public sector services, content management platforms, and intelligence document processing
- Skilled in building scalable, cloud-native applications and maintaining complex, legacy systems
- Passionate about knowledge sharing, mentoring team members, and fostering a collaborative development culture
- Committed to continuous learning and staying current with emerging technologies, architectures, and best practices

EMPLOYMENT HISTORY

Python Software Engineer, ExB Group, Remote

FEBRUARY 2023 — NOVEMBER 2024

- Implemented key features within a microservices-based architecture for a web-based Intelligent Document Processing (IDP) solution
- Designed and developed scalable, decoupled microservices in Python, enhancing system robustness and performance under high workloads
- Leveraged Kubernetes for efficient deployment, scaling, and orchestration of services in a cloud-native environment

Tech Stack: Python, Django, GraphQL, PostGraphile, PostgreSQL, EventStoreDB, RabbitMQ, Kubernetes, KEDA, AWS S3, MinIO, Linux, GitLab

Content Creator, Hyperskill, Remote

OCTOBER 2023 — MARCH 2024

- Created and enhanced educational content for the Spring Boot track offered by JetBrains Academy through the Hyperskill platform, contributing to high-quality, hands-on learning experiences for aspiring developers

Java Software Engineer, ExB Group, Remote

MARCH 2021 — FEBRUARY 2023

- Designed and implemented new features in Java and Kotlin for a document processing and text/information extraction pipeline powered by NLP, using Java, Kotlin, and Python
- Developed a microservice for dynamic, cost-efficient deployment and management of NLP models on AWS EKS
- Contributed to architectural improvements of key components within the processing pipeline
- Led internal technical workshops focused on clean code principles and improving overall code quality
- Conducted regular code reviews and participated in pair programming to foster collaboration and knowledge sharing
- Advocated for tooling and workflow improvements to streamline the developer experience and reduce friction in daily tasks
- Built a process for automated generation of technical documentation using AsciiDoc and Antora
- Participated in cultural fit interviews as part of the hiring process, supporting team and company growth

Tech Stack: Java 11/17, Kotlin, Python, Spring Framework, Spring Boot, JUnit, Docker, Kubernetes, Helm, AWS EKS, Akka, Argo CD, TeamCity, Linux, AsciiDoc, Antora

Lead Software Developer, IT-Systemhaus der Bundesagentur für Arbeit, Nürnberg

SEPTEMBER 2019 — APRIL 2020

- Served as Lead Developer for one of two agile development teams, guiding technical direction and team collaboration
- Defined and evolved the application's architecture to support scalability and maintainability
- Promoted clean code and consistent development practices to maintain code quality
- Collaboratively decomposed features into manageable tasks, ensuring effective sprint planning and delivery
- Implemented and tested application features across the full stack, maintaining close alignment with business requirements

Tech Stack: Java SE 8, Java EE 7, Angular, Angular Material, TypeScript, JavaScript, JUnit, Cucumber, Jenkins, Docker, Linux, Oracle Database

Senior Technical Consultant, virtual7 GmbH, Nürnberg

FEBRUARY 2019 — MAY 2020

- Worked with clients on a contract basis as a Senior Technical Consultant, delivering tailored software solutions and technical guidance

Full Stack Developer, Bundesamt für Migration und Flüchtlinge (BAMF), Nürnberg

MAY 2018 — SEPTEMBER 2019

- Implemented and tested features across both frontend and backend of a web application
- Improved and maintained project documentation to support developer onboarding and knowledge sharing
- Managed DevOps-related tasks and supported deployment activities to ensure smooth delivery and system stability

Tech Stack: Java SE 8, Spring Framework, Spring Boot, JUnit, Angular, TypeScript, JavaScript, Ansible, Jenkins, Docker, Oracle Database, Linux

Software Developer, IT-Systemhaus der Bundesagentur für Arbeit, Nürnberg

MAY 2014 — FEBRUARY 2018

- Developed a publishing workflow for web content within Oracle CMS, streamlining the content creation and approval process
- Extended the CMS by implementing custom tools and features to support efficient content management and improve the user experience for content editors

Tech stack: Oracle WebCenter Content, Java, HTML, CSS, JavaScript, Oracle Database, Linux

Senior Technical Consultant, virtual7 Romania, Nürnberg

MAY 2014 — JANUARY 2019

- Worked with clients on a contract basis as a Senior Technical Consultant, delivering tailored software solutions and technical guidance

Software Developer, virtual7 Romania, Timisoara

FEBRUARY 2008 — APRIL 2014

EDUCATION

Master of Science in Informatics, West University of Timisoara, Timisoara, Romania

2008 — 2010

Master of Science in Informatics with a focus on Artificial Intelligence and Distributed Computing. Grade: 9 of 10

Bachelor of Science in Informatics, West University of Timisoara, Timisoara, Romania

2004 — 2008

Bachelor of Science in Informatics / Computer Science. Grade: 9.67 of 10 (ranked 7 of 95 graduates)

LANGUAGES

Romanian   English

German

CERTIFICATIONS

Machine Learning Zoomcamp - Statement of Accomplishment, online

FEBRUARY 2025

[PCEP-30-02] PCEP – Certified Entry-Level Python Programmer, online

MARCH 2023

telc Deutsch B1, Nürnberg

DECEMBER 2022

Intermediate Python Nanodegree, online

AUGUST 2022

Cloud Developer Nanodegree Program - Certificate of Completion, online

NOVEMBER 2021

Oracle Certified Professional, Java SE 8 Programmer, online

JUNE 2020

Software Design and Architecture, online

JUNE 2020

Oracle Certified Associate, Java SE 8 Programmer, online

MAY 2019

HOBBIES

Fitness, Travelling, Reading, Languages