Marko Pavlovic

markopavlovic205051@gmail.com | linkedin.com/in/marko-pavlovic-2002 | github.com/heatwaven

+43 650 810 3892 | Schelleingasse 13-15/4/10, 1040 Vienna

EDUCATION

UAS Technikum — Vienna
Master of Science in Software Engineering — *Sep. 2024 – June 2026*

UAS Technikum — Vienna
Bachelor of Science in Computer Science — *Sep. 2022 – June 2024*

HTL Donaustadt — Vienna
Software Engineering — *Sep. 2016 – May 2021*

EXPERIENCE

Software Engineer — Vienna
Kontron Transportation GmbH — *since June 2024*

- Implemented bug fixes and developed new features in an agile development environment.
- Redesigned and optimized Camunda workflows in Java Spring Boot applications, improving execution speed of key features by more than 50%.
- Developed and integrated authentication features with Keycloak, including user creation and management.
- Implemented features leveraging LDAP for directory access and synchronization in Java backend systems.
- Analyzed existing features to identify bottlenecks and errors, leading to continuous improvements in performance and stability.
- Managed deployment processes using Helm charts, ArgoCD, and OpenShift, with application orchestration on Kubernetes pods via kubectl, ensuring smooth and stable rollouts.

Software Engineer Intern — Vienna
EBCONT enterprise GmbH — *Feb. 2024 – May 2024*

- Refactored a C# program by transitioning methods to utilize mappers with AutoMapper.
- Enhanced UI performance for a specific process by implementing pagination, resulting in reduced load times.
- Addressed tickets and resolved issues for a newly deployed program

Software Engineer Intern — Vienna
s IT Solutions — *July 2020 – Aug. 2020*

- Developed an Angular app for secure JWT token creation and authentication.
- Resolved CORS issues for secure cross-origin communication.

PROJECTS

NewsCenter | *TypeScript, Fastify, Postgres, Prisma* — Source Code

- Developed a scalable architecture with multiple microservices.
- Enabled users to receive messages through diverse clients (Mail, Discord, Telegram) and subscribe to their preferred channels.
- Implemented personalized messaging based on subscribed tags, ensuring users receive relevant content tailored to their preferences.

Paperless | *Java, Spring Boot, Postgres, ElasticSearch, RabbitMQ, Tesseract* — Source Code

- Established streamlined PDF processing workflow with Minio storage and immediate database entry for seamless integration.
- Implemented RabbitMQ messaging for enhanced efficiency and integrated PaperlessOCR with Tesseract for accurate text extraction.
- Leveraged Elasticsearch indexing for efficient content retrieval and search functionalities, optimizing system performance.

TECHNICAL SKILLS

Languages: Java, C#, SQL, TypeScript
Frameworks: Spring Boot, Hibernate, React, Node.js, Express, Camunda (BPMN)
Technologies: Docker, Kubernetes, Helm, OpenShift, Argo CD, Git, GitLab Runner, AWS, PostgreSQL, MySQL