

Personal Information

Name: Dejan Petković
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Profile

- From system integrations to AI frameworks and full-stack development, I've been diving deep into the world of tech since 2008, continually evolving with the rapid pace of the industry
- As a Dutch citizen and fluent speaker of English, Dutch and Serbian, I have worked extensively with Dutch 🇳🇱, American 🇺🇸 and British 🇬🇧 customers as well as cooperated closely with development services providers from Eastern Europe
- My journey began in Serbia, integrating IPTV systems, and took me to the Netherlands where I embraced cloud development for streaming platforms. From there, I ventured into AI-human interactions, data processing, and now, I'm harnessing the power of the full-stack ecosystem with React and NodeJS
- When I'm not coding, I'm cherishing moments with my family, exploring new tech toys and trying to lead a healthy and active lifestyle

Professional experience

From 09/2024 - now **Expert Software Engineer at Totally Gifts**

- Development of a greenfield project with a new tech stack, from scratch
- NextJS, TailwindCSS, Clerk, Sentry, NestJS, PostgreSQL, Docker, AWS have been used to build the solution
- Event-driven architecture was used to capture gift card events and process them in real-time
- I contributed across the stack, collaborating closely with a cross-functional team of three engineers, a designer, and a product owner
- Management of App Store and Play store releases

From 12/2021 - now **Lead Fullstack Software Engineer at Fertifa, Grndhouse**

- Team lead in a small startup studio, managing a team of 5 backend and frontend developers on fertifa.com and grndhouse.com.
- Rapid development of features for two startups after their successful funding rounds
- Mentored junior developers, resolved blockers, and ensured timely project delivery
- Used a wide array of modern tools and services, such as:
 - o TypeORM
 - o Sentry for events monitoring
 - o RevenueCat for payments
 - o Strapi for content management
 - o Google Analytics, Meta Pixel, Drip, Amplitude and Mixpanel for analytics
- Using Expo to manage App lifecycle and deployments with or without App Store and Play store releases

06/2018 – 12/2021 **Senior Software Engineer at KPN Technium B.V.**

- I was senior engineer in team that was developing ETL automation framework and platform in Azure, based on Hadoop & Kafka ecosystem, automated by Terraform
- The rendering framework was built with Python, Flask and SQLAlchemy
- Led story mapping for migration of on-premise data platform services to Azure

- Development of distributed event sourcing application for “real-time” analysis of KPN customer journey where multiple touchpoints are combined, analyzed and visualized
- Scala stack with Akka/Alpakka is used to build microservices and Flink applications
- Utilizing DevOps methodology with fully automated CI/CD, monitoring and alerting

02/2017 – 05/2018 Software Engineer, Cognitive Implementation at IPsoft B.V.

- As technical lead of a 3-member agile team I was responsible for development of human-machine interaction on artificial intelligence framework “Amelia”.
- I was mostly busy with hands-on development, code reviewing, mentoring and Scrum rituals.
- Development was mostly in Groovy/Python and in Java
- The technical stack included Kafka, Camel, Mule, Elasticsearch, Spring, Grails, Docker
- Data analysis with Pandas, Jupyter and visualisation with d3.js, and making new features (or refactoring) decisions from the insights

06/2012 – 01/2017 Senior System Engineer at Liberty Global B.V.

- As member of Liberty Global OTT streaming solution architecture & engineering team, I was busy with architecture of various system components, developing AWS (micro)services infrastructure, CDN content delivery, Adobe AEM and their integration
- Microservices development in Python
- Through work with high availability services I acquired deep knowledge of web and backend application design, streaming technologies, HA scalable infrastructure, AWS cloud and full stack network protocols
- Data analysis with Jupyter, Wireshark, Conviva, Omniture
- Performing code reviews and overall system troubleshooting

Technical knowledge and other skills

Programming languages

- Typescript, Python, Scala, Groovy, Java

Frameworks and libraries

- React Native, ReactJS, Strapi, Spring, Git, Flask, pandas, Akka, Protobuf/Avro, Camel

Software platforms

- AWS, Azure, Kubernetes, Docker, Kafka, Spark/Databricks, Flink, MuleSoft, apache/nginx, Varnish, Linux, Wireshark

Organizational toolset

- Atlassian Jira/Confluence/Bitbucket suite

Languages

- Fluent in English, Dutch, Serbian. Intermediate level of German, Russian.

Education

09/2009 – 02/2011 **Masters Course: System Engineering and Radio Communications** – Faculty of Electrical Engineering, University of Belgrade. Specialization: Telecommunications and software engineering

10/2002 – 08/2007 **BSc of Electrical Engineering** - Faculty of Electrical Engineering, University of Belgrade. Specialization: Telecommunications and computer science

Certificates

- Acclaim badges: <https://www.credly.com/users/dejan-petkovic/badges>
- Coursera certificates: <https://coursera.org/share/32a42acb44082359b7c10bfea2f765ee>