

# Curriculum Vitae

Dejan Petković

## 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 11/2023 - 09-2024 **Lead Fullstack Software Engineer at Grndhouse**

- Team lead managing a team of 5 backend and frontend developers on grndhouse.com, a platform for on-demand strength training.
- Led the development of the initial MVP after a successful funding round
- Took regular meetings with stakeholders to streamline delivery of video streaming, payment processing, and user management features
- Architected and implemented features using React Native, Node.js, and AWS
- Mentored junior developers, resolved blockers, and ensured timely project delivery
- Used a wide array of modern tools and services:
  - o Sentry for event monitoring
  - o RevenueCat for payments
  - o Mixpanel for analytics
  - o Expo to manage app lifecycle and deployments with or without App Store/Play Store releases

From 12/2021 - 11/2023 **Fullstack Software Engineer at Fertifa**

- Progressed from individual contributor to team lead, managing a team of 5 backend and frontend developers on fertifa.com, Europe's most comprehensive reproductive healthcare provider.
- Defined and developed features in collaboration with the product owner and stakeholders

- Engineered solutions in React Native, Node.js, and AWS
- Mentored junior developers and led sprints to ensure timely delivery
- Tools and services used:
  - o Strapi for content management
  - o Sentry for monitoring
  - o Google Analytics, Meta Pixel, Drip, Amplitude for analytics
  - o Manual app lifecycle management and deployments

**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 touch points are combined, analysed and visualised
- 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

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## **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 (NT2), Serbian. Intermediate level of German, Russian.

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## 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

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## Certificates

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