

# VLADIMIR ĆIRKOVIĆ

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## EDUCATION

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### Faculty of Organizational Sciences

Belgrade, Serbia

MSc. Informatics and Software Engineering

## WORK EXPERIENCE

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### BVNK

*Senior Software Engineer*

03/2023 - current

- BVNK is a digital asset financial services platform providing banking and payment solutions.
- Architecting and implementing a cryptocurrency trading platform using Java-based microservices, significantly improving transaction processing speed.
- Enhancing crypto payments API, automating transactions and enabling seamless cryptocurrency management for customers, leading to increased user adoption.

### Vroom.com

*Tech Lead*

02/2021 - 03/2023

- Vroom is an e-commerce platform for buying and selling used vehicles.
- Led the e-commerce team in designing and implementing critical backend services using Go, Kafka, and PostgreSQL, substantially boosting system performance.
- Optimized high-volume transaction services and third-party integrations, notably reducing downtime and improving customer satisfaction.

### RMS

*Senior Software Engineer*

04/2019 - 02/2021

- Risk Management Systems (acquired by Moody's) is a leading provider of catastrophe risk modeling software and services.
- Led the development of RMS's flagship application for portfolio managers, considerably increasing data processing efficiency.
- Engineered a high-throughput, scalable Java backend to process data from multiple warehouses, including GraphQL schema and event notification service.
- Designed a treaty reinsurance project using Kotlin microservices with event sourcing and CQRS, enhancing system reliability.
- Developed catastrophe modeling project in Scala using purely functional paradigm (Cats), reducing error rates.
- Streamlined CI/CD processes, significantly cutting deployment time and improving software delivery efficiency.

### Relax Gaming

*Senior Software Engineer*

05/2016 - 04/2019

- Relax Gaming is a B2B iGaming provider offering unique content and platform solutions.
- Designed and developed a scalable, concurrent Java game server for daily fantasy gaming, utilizing microservices with RabbitMQ and MySQL, supporting a large number of concurrent users.
- Successfully implemented multiple casino game engines for the Silver Bullet Casino platform, expanding game variety.

### Interactive Data

*Team Lead*

03/2013 - 05/2016

- Interactive Data (now part of Intercontinental Exchange) is a provider of financial market data and analytics.
- Oversaw the design and development of PrimeTerminal, a Java-based application for private banking and asset management, used by numerous financial institutions.
- Led the team responsible for executing S&P CapitalIQ's most extensive customization projects, increasing client satisfaction.

## Vast.com

*Software engineer*

10/2006 - 03/2013

- Vast is a big data-as-service platform providing consumer and market insights.
- Designed and developed a high-performance Java-based data processing pipeline, improving data throughput and quality.
- Implemented an engine for text parsing, extraction, and normalization, streamlining data handling processes and significantly reducing manual data entry.

## SKILLS

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Programming Languages:	Java, Go, Scala, Kotlin, Typescript, Swift
Infrastructure & Architecture:	Distributed Systems, Microservices, Cloud Computing
Databases & Messaging Systems:	PostgreSQL, MySQL, Redis, DynamoDB, Kafka, SQS, SNS, RabbitMQ
Soft Skills:	Team Player, Fast Learner