

# Vojislav Dukic, Ph.D.

I am a software engineer and researcher. I enjoy building unconventional computer systems that challenge and contradict currently established assumptions.



## Contact

[Detailed CV here](#)

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in Vojislav Dukic

### I hold a PhD in computer science:

**ETH Zurich** (2016-2021)  
Cloud computing and networking  
→ *SystemsGroup*  
→ *Publications*  
→ *PhDthesis*

### Languages:

English - fluent  
German - Goethe-Zertifikat B2  
Serbian - native

### I have experience with:

C, C++, Java, Python, JavaScript  
Databases and data processing systems, large-sacle cloud applications, virtualization technologies, frontend and backend web technologies, Linux subsystems, microservice architectures and serverless computing

### I used to teach:

(Advanced) Computer networks, Future Internet, Introduction to databases, Advanced databases, Software-aided business process modeling, Object-oriented programming, Compilers, Programming languages and data structures, Computer architecture, Linear algebra

## Software engineering

[more details](#)

**Oracle**, Zurich, Switzerland, 2021-present <https://www.oracle.com/mysql/heatwave/>  
**Senior member of technical staff** - Design and implement a cloud-native in-memory analytical database.

**Ava**, Novi Sad, Serbia, 2016 <https://ava.info/>  
**System designer** - Full system design and implementation of a real-time safety platform.

**Huawei**, Beijing-Shenzhen, China, 2014 <http://www.huawei.com/>  
**Intern** - Familiarize with Huawei's software backend solutions for mobile carriers.

**Levi9**, Novi Sad, Serbia, 2014 <https://www.levi9.com/>  
**Data science intern** - Design and development of a system that identifies local influencers on social media.

**Institute for Computer Based Systems**, Novi Sad, Serbia, 2012 <http://www.rt-rk.com/>  
**Compiler developer** - Implementation of architecture-dependent optimizations in a C compiler for the Coyote DSP architecture.

## Research

[more details](#)

**ETH**, Zurich, Switzerland, 2016-2021 <https://systems.ethz.ch/>  
**PhD candidate** - Research in the domain of distributed systems, networking and cloud computing. My research has been published at SIGCOMM, NSDI, and SoCC.

**Microsoft Research**, Cambridge, UK, 2019 <https://www.microsoft.com>  
**Research intern** - Design a novel optical-circuit-switched network architecture for data center interconnect.

**EPFL**, Lausanne, Switzerland, 2015 <http://theosrv1.epfl.ch/>  
**Data science intern** - Leveraging machine learning for discovery and construction of new 2D materials.

**FTN**, Novi Sad, Serbia, 2014-2016 <http://www.ftn.uns.ac.rs/>  
**Research and teaching assistant** - Research in the domain of information systems and domain-specific languages.

## Entrepreneurship

[more details](#)

**Multeex**, Zurich, Switzerland, 2019-2021 <https://multeex.com/>  
**Founder** - New way of communication at workplace.

**VBNsoft**, Novi Sad, Serbia, 2018 <https://vbsoft.com/>  
**Co-founder** - Co-founder of a consulting firm focused on development of scalable cloud applications.

**Challengero**, Novi Sad, Serbia, 2014 - 2016 *unsuccessful startup*  
**Co-founder** - Design and implementation of a web entertainment platform. We tried to make what TikTok is today.

**Rajak**, Novi Sad, Serbia, 2014 <http://www.rajak.rs/>  
**ERP designer** - Design and implementation of a web based information system.