

Curriculum Vitae

About me

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Skills

Frontend	Advanced proficiency in React/VueJS and TypeScript , with a history of building intuitive and responsive web applications.
Backend	Proficient in Node.js and TypeScript , with experience in AWS cloud services. Additional expertise in Golang , PHP , Python
DevOps & Server Administration	I'm Linux user for the last 20 years, experienced in setting up servers from ground up. I have a lot of experience with Docker , Ansible , Vagrant , Bash scripting , Github Actions , BitBucket Pipelines ...
Mentorship and Leadership	Experience in mentoring young programmers and leading teams of developers. I enjoy sharing my knowledge and helping others grow

Experience

Dec 2022 –

Senior Software Engineer – Self-Employed

Frontend: React, NextJS, ReteJS

Backend: Pocketbase, Firebase, Golang, NestJS

Mobile Development: React Native with Expo, Tamagui UI

In 2023 I took a sabbatical to focus on learning and enhancing my skills in Golang, mobile development (React Native), and creating applications centered around OpenAI's AI solutions.

I've also explored various technologies, frameworks, and platforms like Pocketbase, NextJS, NestJS, Firebase, N8N, in search for the ideal full-stack setup for building applications of varying complexity. Among the numerous projects I've undertaken (most of which are not public), notable ones include:

- ◆ I'm working on a pet sitting application, which I'm developing using NextJS and NestJS. Hopefully, I'll be able to launch it soon and help pet owners find the best care for their pets.
- ◆ GPT Project Context - A CLI tool to enhance productivity by providing project context to ChatGPT. This tool scans project files, generates output, and helps you use ChatGPT WebUI for development.
- ◆ I developed two mobile applications using the React Native with Expo framework, through which I found my current ideal stack for mobile app development (state management, UI lib etc).

Alongside my learning initiatives, I took the opportunity to freelance on Upwork. I've picked projects that resonated with my learning goals, engaging in tasks such as developing NextJS applications and setting up n8n servers using Ansible. This targeted approach ensured that each project I took on was a carefully chosen opportunity to expand my skills.

Senior Software Engineer – Clarivate

Frontend: React, Typescript

Backend: Node, TypeScript, AWS Lambda, AWS EventBridge, AWS S3, AWS API Gateway, AWS SNS, AWS SQS, Hashicorp Vault, DataDog

DevOPS: AWS SAM & CloudFormation, Hashicorp Terraform, Azure DevOps

At Clarivate, I had the opportunity to enhance my expertise in NodeJS/TypeScript backend programming and the AWS cloud ecosystem.

My contributions extended beyond backend development, as I took on a role that combined mentorship with hands-on assistance in frontend development, particularly focusing on the Integration Hub (iHub) widgets. This dual role involved guiding a small frontend team through technical challenges and ensuring the seamless integration of frontend components with backend services.

Integration Hub: File Upload and Anti Virus Integration

- ◆ Developed a scalable, modular file upload system with encryption in the AWS cloud.
- ◆ Partnering with Trend Micro's engineering team, I was instrumental in the integration of an Anti Virus service, thereby enhancing a universal cloud antivirus solution for corporate use, particularly within the framework of Trend Micro Cloud One™ – File Storage Security.

Integration Hub: Authorization Project

- ◆ Engineered a secure authentication and authorization flow with a colleague, utilizing AWS API Gateway Authorizer. This process starts with identity verification via Clarivate's IAM, followed by JWT token issuance for specific resources, ensuring precise API access control and heightened backend security.
- ◆ As part of the authorization project, we implemented and tested CORS policy, establishing fine-grained access control for allowed domains and subdomains.

Integration Hub Widgets: Development and Mentorship

- ◆ Led the development of a versioned CI/CD pipeline for frontend iHub widgets, in collaboration with the DevOps team, hosted on AWS S3 and served via AWS CloudFront CDN for enhanced distribution.
- ◆ Ensured compatibility and efficient integration of frontend components with backend systems, providing a cohesive development environment for the team.

Jul 2020 – Jul 2021

Senior Software Engineer – Easy Aerial

Frontend: React, Typescript

Backend: Node

DevOPS: AWS, Linux System Administration, Vagrant

When I came to EasyAerial, my first priorities were to stabilize and improve the frontend side of their existing application because of my experience in building Single Page Applications (SPA).

From day one, I noticed that a lot of things on various projects could be automated and that my previous DevOps experience could be useful.

Therefore, my activities were more focused on implementing the best DevOps practices:

- ◆ Introduction of automated tests (Jest, Cypress, Bats)
- ◆ Virtualization (Docker, Vagrant)
- ◆ Creating build and deploy pipeline using Bitbucket Pipeline and Jenkins

On a later stage, my focus slowly shifted to another project, an application for drone fleet management.

As a Team lead, my role was:

- ◆ Code review for frontend (React, Typescript) and backend (AWS Lambda, AWS Cognito)
- ◆ To improve, coordinate, and integrate the work of other teams into our application:
 - ◆ Drone simulation (AirSim, Ardupilot)
 - ◆ Video stream integration (WebRTC, AWS Kinesis Video Streams)
 - ◆ Provisioning of the Linux machines running drone SITL and ROS (Ansible, Bash scripts, Vagrant/VirtualBox VM machines)

Jul 2019 – Jul 2020

Full Stack Engineer / Consultant – Freelance

Frontend: React, Typescript

Backend: Python, Django

DevOps: Linux System Administration

After finishing the project in Balkaneum, and getting some interesting offers from a few companies to work on something new, I decided to once again freelance.

I always wanted to explore Python more, so I did a small job in Django web framework.

I continued to consult on and help architect new projects for old clients: Advanced Language Institute (Vienna) and Gailiei IT (Belgrade).

After a few frontend jobs, I did consulting jobs where I was managing/fixing deployment process for two Angular and one PHP project.

Apr 2018 – Jun 2019

Frontend Engineer – Balkaneum

Frontend: React, Redux, Styled Components, TypeScript

Backend: NodeJS, NextJS, Socket.io

As the Lead FrontEnd Developer on a cryptocurrency trading platform xCalibra, this role served as both my baptism by fire into React/TypeScript and my initial dive into leading a team inclusive of junior developers. It was a period of intense learning and growth, where I not only brought the project to a successful conclusion but also specialized in React and developed a deep appreciation for TypeScript. This experience marked a pivotal moment in my career, profoundly shaping my technical expertise and leadership skills.

- ◆ In 2018, due to limited TypeScript support from libraries, I developed code-generation scripts for TypeScript integration, creating interfaces for translation strings, theme configurations, RESTful routes, and payloads
- ◆ Created a design system in StyledComponents with reusable components and day/night variants for dynamic UI adaptability.
- ◆ Handled real-time cryptocurrency exchange data streams with Socket.io, managing multiple WebSocket channels for live updates.
- ◆ Improved SPA application performance by refining rendering optimizations, essential for handling rapid price changes in the crypto exchange platform.
- ◆ Integrated various charting libraries.
- ◆ Developed responsive layouts for devices ranging from mobiles to desktops.
- ◆ Added internationalization support with i18next
- ◆ Provided support to other teams on NextJS, React, Electron, and PHP projects.

Jun 2017 – Apr 2018

Full Stack Developer – Upwork

Frontend: VueJs

Backend: PHP

DevOps: Bash, Ansible

Variis projects ranging from configuration of Linux Servers to WordPress plugin development, site speed optimisation, Javascript (VueJS) etc.

Nov 2014 – Jun 2017

Full Stack Engineer – Galilei IT

Frontend: JavaScript (NodeJS, KnockoutJS, jQuery, npm, Gulp)

Backend: PHP (WordPress, Laravel, Composer, MySQL)

DevOps: System Administration (Git, Bash, Python, Ansible, Vagrant)

I was integral to developing the GALIS School Management System, Serbia's leading platform for the complex needs of music and ballet schools. My expertise in PHP, Smarty, jQuery, and knockout.js contributed to the system's robust backend and interactive frontend. Additionally, I managed DevOps tasks, including Linux server administration, automation scripting, and creating virtual environments for the development team, alongside producing essential documentation for programmers.

The second role was a development of 'BookRally', a WordPress-based platform that empowers authors to launch crowdfunding campaigns for their upcoming books. This project involved engineering custom plugins and designing a unique theme to mimic the Kickstarter experience, specifically tailored for book promotions.

This role demanded a deep dive into custom WordPress development, focusing on creating a user-friendly platform that supports authors in their fundraising efforts.

Nov 2009 – Oct 2014

Freelance Web Developer – Self-employed

Frontend: JavaScript

Backend: PHP, MySQL

As a freelancer, I made a lot of small to medium-size websites in custommade PHP CMS, WordPress and Joomla. At that time I was creator, administrator and editor of student site, providing students with information and studying materials

Education

2009 – 2013	University of Belgrade, Faculty of Philosophy, Department of Philosophy
2006 – 2009	University of Belgrade, School of Electrical Engineering, Software Engineering
2002 – 2006	Electrical Engineering High School "Nikola Tesla", Belgrade, Electronic Engineering Technician

Languages

Serbian	Native
English	Fluent