

## EXPERIENCE

SEP 20  
NOW

### Symphony.is

senior software engineer  
web outsourcing agency  
React, NextJS, TS, Go, GCP (PubSub), k8s

JUL 20  
NOW

### Unfold Research

founder · full-stack dev  
community-driven platform for Open Science  
NextJS, NestJS, MySQL, Kafka, Elastic, Redis, Docker

APR 20  
MAY 20

### NIRA

consultant · full-stack dev  
large 3d assets model web preview & collaboration  
React, FeatherJS, Postgre, OpenGL

NOV 19  
APR 20

### Deploy Inc

senior front-end developer · tech lead  
web outsourcing  
TS, Gatsby, Firebase, AWS, GraphQL

JUN 19  
OCT 19

### Embroker

full-stack web dev  
React, Angular 1.5, Go, Postgre, RabbitMQ

JAN 18  
SEP 19

### Nodebook

full-stack dev · founder  
graph-based reference manager and collaboration hub  
TS, React, ExpressJS, WebGL, MySQL, Redis

NOV 16  
JUN 17

### Ubisoft

Render Programmer  
Ghost Recon: Wildlands · Steep: eXtreme Pack

JUL 16  
NOV 16

### NVIDIA

Mobile 3D Graphics Intern  
functionality tests of the NVN API for Nintendo Switch

FEB 14  
JUL 16

### LARGO

R&D Graphics Programmer  
rendering pipelines, shaders, optics, drawing APIs

JUL 15  
NOV 15

### NVIDIA

GPU Infrastructure Architect Intern  
python API trace tool enhancements

OCT 14  
DEC 14

### Microsoft

Software Developer Intern  
SQL Server team · query optimization

## EDUCATION

SEP 12  
JUN 16

### School of Electrical Engineering

University of Belgrade  
Dept. of Computer Science, 3/4 years, GPA 8.4/10

SEP 06  
JUN 12

### Mathematical Grammar School

Belgrade  
High school for gifted children (grades: 7th - 12th)

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web · gfx  
developer

## PROJECTS

### Unfold products: Research | Teams | Projects

publishing platform with versioning, voting, library management, commenting, tagging, and search. special care about data aggregation, rate-limiting, caching, versioning.

### Nodebook

highly interactive and customizable graph-based manager.  
ground-up UI and UX. some more notable problems:

- performance considerations and optimizations
- completely new graph-based search feature
- versioning, comparison & collab for graph-based content

### Form engine

ng-form/Formik hybrid for React (via hooks) for complex forms logic  
sync & async validation, formatting and parsing, rules and hooks,  
event system, full Typescript support...

used as a base for large in-house project at Deploy Inc

### State manager

TS-friendly Redux alternative  
combinable reducers architecture, no constants, React hooks

### Computer graphics research

walit - quantum light transport via wave equation  
PGAA - mathematically correct anti-aliasing on GPU  
Fourier Texture Compressor - analytic infinite mipmaps via auto-encoder  
KinectCity - gesture input library for stereoscopic 3d game via Kinect

## SKILLS

### Front-end

Typescript, React 16.8+, Redux, NextJS, GatsbyJS, d3.js, Angular, SASS,  
webGL, Three.js, advanced SVG & HTML5 canvas

### Back-end

NestJS, NodeJS, Express, FeatherJS, Go, php (Laravel, WP), py (Django),  
MySQL, Postgre, Mongo, Redis, Docker/k8s, ElasticSearch,  
PubSub/RMQ/Kafka, nginx/Apache, AWS, Terraform

### Graphics and GPGPU

C++11, C, OGL4.x, Vulkan, GLSL, NVN, WebGL, HLSL, D3D11, CUDA

### Tools

VS Code, Visual Studio, QtCreator, RenderDoc, Jupyter,  
nsgint, Git, P4, Unity, Octave, Adobe: Ps, Ai, Pr

### Key skills

passionate, imaginative, communicative, profound,  
experimentation-oriented, ENTJ/ENFJ