

Bojan Čoka

coka@fastmail.com |> <https://github.com/coka>

/* SUMMARY */

My primary passion is computer graphics, which eventually steered me towards creating UIs using functional programming principles (and a fair share of SVG elements). Along the way, I gained a deep appreciation of programming languages as a medium of thought, connecting the dots between software engineering and computer graphics. I would love to work more with ClojureScript, ReScript, and Elm on real projects.

/* EDUCATION */

Faculty of Technical Sciences, University of Novi Sad (2011–2016)

BSc, Computer Graphics (dropped out)

Cambridge Certificate of Proficiency in English (2010)

Grade B

Jovan Jovanović Zmaj Grammar School, Novi Sad (2007–2011)

Natural Sciences, with honors (physics, music)

/* OTHER */

Resonate festival (Apr 2014–Apr 2017)

Workshop Attendee

Over the years, I have attended several workshops at the Resonate festival for art and digital culture in Belgrade, earning a scholarship in 2015. These workshops were themed around interactive real-time graphics. We used various creative coding frameworks, often deploying to constrained platforms—such as the Raspberry Pi. In a very direct way, my experiences at Resonate influenced my decision to pursue coding. [C++](#) [OpenGL ES](#)

[openFrameworks](#) [Cinder](#) [JavaScript](#) [three.js](#)

Generative Design Workshops

Organizer // Lecturer

Inspired by the profound impact the Resonate festival had on me, I developed and organized a few creative coding workshops for non-programmers in my hometown, and met many interesting people. Later, I joined the regional creative coding community and became a regular guest lecturer for Processing Community Days in Belgrade. [JavaScript](#) [p5.js](#)

[Processing](#)

/* EXPERIENCE */

HTEC Group (Jun 2020–present)

Software Engineer

Learning a lot about cross-team collaboration. Unofficially "the TypeScript guy" (for better or worse). Exploring Rust. [TypeScript](#) [React](#) [Redux](#) [Next.js](#) [Rust](#)

LyfAI (Feb 2020–May 2020)

Freelance Software Engineer

Had a brief stint developing the initial working prototype of [LyfAI](#). [TypeScript](#) [React Native](#) [AWS Amplify](#)

Simple Task (Oct 2019–May 2020)

Software Engineer

Worked with a startup in the blockchain space on their mobile application (discontinued), and helped bootstrap their [block explorer](#). Led an internship program aimed at supporting a local nonprofit. Coached engineers both within the company, as well as on the client's side. [TypeScript](#) [React](#) [React Native](#) [D3.js](#)

LambdaWorks (Jun 2018–Nov 2018 // Nov 2018–Jul 2019)

Freelance Software Engineer // Software Engineer

Went all-in on front-end functional programming. Was the sole front-end developer on an [internal product](#) team. Contributing to a product from ideation to MVP launch gave me a very good overview of the entire process. Oh, and I also built LambdaWorks' [website](#) from scratch, which was super-fun. [TypeScript](#) [React](#) [Redux](#) [RxJS](#) [GraphQL](#)

DevTech (Apr 2016–Nov 2018)

Software Engineer

Spent the first year or so gluing together different IaaS platforms. Later, worked with [a fintech startup](#) on their (soft) real-time OTC trading solution. Played a supporting role in DevTech's R&D and internal education efforts at the time. [C#](#) [Microsoft SQL Server](#) [Entity Framework](#) [LINQ](#) [SignalR](#) [TypeScript](#) [React](#) [Redux](#)

Rendered Text (Jul 2015–Oct 2015)

Intern Software Engineer

Contributed a [couple](#) of [features](#) to Semaphore, a hosted CI/CD service. Learned about behavior-driven development, and web development in general. Got some exposure to functional programming through Elixir and Elm hackathons. [Ruby on Rails](#) [PostgreSQL](#) [CoffeeScript](#) [AngularJS](#)

3Lateral (Aug 2012 Sep–2012)

Intern Technical Artist

Had the wonderful opportunity to witness a production environment up close. Attempted to create an animation-ready character face from scanned data. Learned about rigging, scripting, 3D scanning, and a touch of digital sculpting. [Maya](#) [MEL](#) [Python](#) [ZBrush](#)