

Vsevolod Zaikov

Software Developer

Skills

Florence, OR, US (only remote)
I am eligible to work in US

mail@bloomca.me
<https://github.com/Bloomca>

Desktop development

- 2 years shipping cross-platform Electron applications (building, packaging, code signing, auto-updates)
- Native OS integration: macOS widgets, notifications, deep linking
- Native frameworks: WinUI 3, SwiftUI

Languages & Frameworks

- JavaScript/TypeScript (10+ years), C#/.NET, Swift
- Electron, WinUI, SwiftUI
- React, Redux, Node.js

I come from a web development background with a UI focus. I was always interested in the app architecture, and especially in performance; I even implemented my own reactive UI library to optimize updates overhead.

For the last 2 years I have been learning native development using both cross-platform and native technologies. For the last several months I've been learning native development; built a photo gallery app using WinUI: <https://github.com/bloomca/piktosaur>, simple Win32 app and a SwiftUI app for streaks: <https://github.com/Bloomca/Streakosaur>.

Experience

Doist / Electron developer

January 2024 - currently, Remote

Took ownership of our Electron applications - building/packaging applications, owning native dependencies like macOS widgets, fixed and improved OS integration like notifications and deeplinking.

Developed Desktop-specific functionality like multi-windows feature.

Doist / Frontend Developer

January 2019 - December 2023, Remote

I was in charge of multiple architecture rewriting/improvements, like switching to Redux for our data storage, led the efforts to improve the performance of the application.

Developed multiple features, like global command bar, supporting completed tasks and extending editor to support reminders.

Contentful / Javascript Developer

SEPTEMBER 2017 - October 2018, Berlin, Germany

Migrated our application to webpack from gulp, which improved our rebuild time by ~10 times.

Built a translation layer between Angular and React to facilitate migration to React, shaped architecture of the application.

Developed several onboarding features, including a backend service using hapi.js to save users' choices.

SIA 4Finance IT / Frontend Developer

OCTOBER 2016 - SEPTEMBER 2017, Czech Republic, Prague

We had multiple products, and I was in charge of shaping the architecture patterns we used

SPB TV / Software Developer

FEBRUARY 2015 - JULY 2016,, Russia, Saint-Petersburg

I was in charge of developing a web application for a video streaming service. Migrated from our custom framework based on Knockout.js to React + Redux.

Business-media / Javascript Developer

JANUARY 2014 - DECEMBER 2014, Russia, Arkhangelsk

Complex UI widgets (like complex calculators) and web applications.. We used Node.js + CouchDB on the backend, and \$.my for the UI.

NPP NTT / Junior FPGA developer

JANUARY 2011 - NOVEMBER 2011, Russia, Saint-Petersburg

Firmwares for FPGAs (Xilinx Spartan-6) to support interconnection with microcontrollers. I created FSMs for I2C protocol, and implemented logic for SDRAM protocol.

Education

Peter the Great Saint-Petersburg Polytechnic University / Unfinished Bachelor's degree

SEPTEMBER 2008 - OCTOBER 2011, Russia, Saint-Petersburg

I have about 3 years in the university for the Telecommunications/Electronics degree. I've learned the programming fundamentals there, and I got to work on FPGAs, but it was too low-level for me.

I am mostly self-taught in software development, and I truly enjoy learning new concepts. I've learned things like functional programming and how C code is compiled and linked, and I am always curious about challenging established patterns in development.