



# ALAN KARLOVIC

Sr. Web and Mobile Developer

## ABOUT ME

I am a full-stack developer having more than 8+ years of experience in building web and mobile applications.

I'm a full-stack, polyglot developer who is constantly learning how to make web/hybrid apps faster, leaner, and perfectly designed. I have worked on +30 CMS, CRM, Mobile, Analysis, Blockchain, eCommerce sites so far.

## CONTACT ME

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## MY SKILLS

- Languages:
- JavaScript, TypeScript, PHP, Python
- Front-end Frameworks:
- React, Vue, Angular, Next, Nuxt, Laravel
- Back-end Frameworks:
- Node.js, Express, Nest.js, Net, Laravel, Django
- Mobile App Frameworks:
- React Native, Flutter
- Cloud Services:
- AWS Amplify, AWS Lambda, Amazon DynamoDB, S3, AWS Cognito, EC2, Cloud Firestore, Firebase Realtime database, Firebase gateway
- DevOps:
- Github, Gitlab, Bitbucket, Docker, CI/CD, Webpack, Jest, Mocha, Agile, Scrum, Kanban, Waterfall, TDD, SOLID



## WORK EXPERIENCE

### FULL STACK DEVELOPER

- Self-employed July 2021 - Current
- Worked on building accounting freelancing websites for firms using Laravel, Vue.js, and MySQL.
- Built backend APIs using Laravel best practice. Implemented full-text search using Elasticsearch. Wrote many reusable Vue.js components using best practices.
- Improved old-fashioned Vue.js components with modularity and DRY principles in mind.
- Set up JavaScript code linting and auto-formatting system using ESLint and Prettier.
- Improved front-end architect.

### SR. REACT / REACT NATIVE DEVELOPER

- MyCointainer May 2018 - July 2021
- Implemented a new React UI layout with React Ant Design.
- Refactored authentication logic with redux-auth wrapper in React router.
- Implemented Web socket communication between back-end and React front-end through MsgPack - binary serialization format.
- Implemented showing of field-level validation error message from the backend API response with redux form and promise handling in React project. Tested and demonstrated React components using Storybook.
- Introduced the React HOCs for code reuse, logic and React bootstrap abstraction.
- Implemented live detection view through web socket subscription in React

### SR. JAVASCRIPT DEVELOPER

- DEVINITI Sep2016 - Mar 2018
- Extensively used Reactjs, D3.Js, under score.js, Node JS and lodash.js for JavaScript object and array manipulations.
- Solved Callback hells in Node.JS by using Promises and Generators from ES6 resulting in unchaining of events and making the code efficient.
- Designed and implemented server-side RESTful web services using Node JS and handled communications to the client-side (React JS) using JSON.
- Developed UI using ReactJs and Redux and NextJS.
- Built rich SPAs using Vue/Nuxt, Angular

### FRONTEND DEVELOPER

- StratorSoft Jan 2013 - Mar 2015
- Acted as a Full Stack developer in a 30+ dev team for 2 years
- Improved UI/UX with React, Node, styled-components, d3.js, TradingView
- Developed and improved performance of +10 animation effects with custom styling
- Simplified global state management by using Mobx
- Suggested and Integrated real-time communication mechanism with Socket.IO and ws(npm package)



## EDUCATION

### BACHELOR'S DEGREE | COMPUTER SCIENCE

- RIT Croatia 2008 -2013
- Studied includes algorithms, data structures, computer architecture, programming languages (design your own programming language), discrete math, and statistics first year.
- Learned about design patterns, software requirement gathering and formal specification, software development process and methodologies (waterfall, agile, scrum, XP, kanban), software quality assurance through varies metrics (lines of code, cyclomatic complexity).