

Key Skills

- Languages: C, C++, JavaScript/TypeScript, Bash
- Platforms: OpenEmbedded (Embedded Linux), NodeJS, Web
- Databases: SQLite, MongoDB
- Tools: Git, Make, Docker

Experience

Senior Software Engineer	741 Studios	May 2022 - Present
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Aventa		May 2022 - Present
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Development of software for user control panel of ICU ventilator.

Stack:

- C++
- Nuklear + OpenGL ES 2
- Embedded Linux (OpenEmbedded)
- Bash
- Make
- SQLite3

Responsibilities:

- Application development:
 - design and implementation of event-driven architecture based on CSP;
 - build system maintenance;
 - GUI, persistence, serial communication with other units, GPIO, networking over UNIX TCP/IP;
- Preparation of runtime environment for application:
 - OpenEmbedded Linux image configuration
 - Linux kernel configuration and patching
 - development of systemd units and bash scripts for launching and restarting application, applying runtime system configuration, performing tasks
- Accumulation of domain knowledge
- Tasks planning
- Technical part of documentation for government certification

Lecturer	IT-College Yekaterinburg	Feb 2021 - Present
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- Lecturing and seminar work on subjects:
 - basic programming, algorithms and data structures in JavaScript and Java
 - OOP, OOD and design patterns in JavaScript/TypeScript and Java
 - Technical consultations for Students' projects
 - Development of internal tools using NodeJS and Go
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Software Engineer	Exadel	Mar 2019 - May 2022
Internal tools		Mar 2022 - May 2022
Development of job to parse corporate e-mail statistics.		
Stack:		
<ul style="list-style-type: none"> • NodeJS • Selenium 		
Responsibilities:		
<ul style="list-style-type: none"> • Development of selenium script that parses data from SPA • Jenkins job setup 		
Mercer		Mar 2021 - Mar 2022
Full-stack development of client application.		
Stack:		
<ul style="list-style-type: none"> • Frontend <ul style="list-style-type: none"> ◦ Typescript ◦ Angular ◦ NgRx ◦ Ramda ◦ Jasmine • Backend <ul style="list-style-type: none"> ◦ NodeJS + Express + Ramda + Jasmine ◦ MongoDB ◦ ElasticSearch 		
Responsibilities:		
<ul style="list-style-type: none"> • Implementation and modification of features cross-cutting several services with a very intertwined business and application logic • Optimization of MongoDB collections and queries, migrations 		
AMC		Mar 2019 - Feb 2021
Front-end development of internal analytical applications.		
Stack:		
<ul style="list-style-type: none"> • Typescript • Angular (+ Material) • NgRx 		
Responsibilities:		
<ul style="list-style-type: none"> • Development of end-user applications with complex interfaces including filters, charts, tables • Maintenance and development of shared library: extracting recurring components from different projects; communicating with other devs to unify and improve interfaces and help them with updates; documentation and tools for updating projects for new library versions; development of internal application to view library 		

docs similar to Angular Material docs

- Front-end side development of internal SSO system

Junior Software Engineer

741 Studios

May 2018 - Dec 2018

Potok

Full-stack development of client application for developing building ventilation projects.

Stack:

- Backend:
 - Java
 - Apache Tomcat
 - SQLite
- Frontend:
 - React
 - Redux

Responsibilities:

- Full-stack app development
- Communication with the client to gather functional requirements and plan tasks

Education

Yekaterinburg, RU

Ural Federal University

2015 - 2019

Bachelor of Information Systems and Technologies