

## Key Skills

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

## Experience

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|--------------------------|-------------|--------------------|
| 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

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| 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"> <li>• NodeJS</li> <li>• Selenium</li> </ul>  |        |                     |
| Responsibilities:   |        |                     |
| <ul style="list-style-type: none"> <li>• Development of selenium script that parses data from SPA</li> <li>• Jenkins job setup</li> </ul>   |        |                     |
| Mercer  |        | Mar 2021 - Mar 2022 |
| Full-stack development of client application.   |        |                     |
| Stack:  |        |                     |
| <ul style="list-style-type: none"> <li>• Frontend <ul style="list-style-type: none"> <li>◦ Typescript</li> <li>◦ Angular</li> <li>◦ NgRx</li> <li>◦ Ramda</li> <li>◦ Jasmine</li> </ul> </li> <li>• Backend <ul style="list-style-type: none"> <li>◦ NodeJS + Express + Ramda + Jasmine</li> <li>◦ MongoDB</li> <li>◦ ElasticSearch</li> </ul> </li> </ul>  |        |                     |
| Responsibilities:   |        |                     |
| <ul style="list-style-type: none"> <li>• Implementation and modification of features cross-cutting several services with a very intertwined business and application logic</li> <li>• Optimization of MongoDB collections and queries, migrations</li> </ul>  |        |                     |
| AMC   |        | Mar 2019 - Feb 2021 |
| Front-end development of internal analytical applications.  |        |                     |
| Stack:  |        |                     |
| <ul style="list-style-type: none"> <li>• Typescript</li> <li>• Angular (+ Material)</li> <li>• NgRx</li> </ul>  |        |                     |
| Responsibilities:   |        |                     |
| <ul style="list-style-type: none"> <li>• Development of end-user applications with complex interfaces including filters, charts, tables</li> <li>• 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</li> </ul> |        |                     |

docs similar to Angular Material docs

- Front-end side development of internal SSO system

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Junior Software Engineer

741 Studios

May 2018 - Dec 2018

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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

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Yekaterinburg, RU

Ural Federal University

2015 - 2019

Bachelor of Information Systems and Technologies