

Aleksandr Denichenko

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Technical Skills

Languages: Java (Core, Collections, Concurrency), C, Python, Assembly (RISC-V)
Frameworks & Technologies: Spring (Mail, Boot, MVC, Security, Data JPA), Hibernate, Criteria API
Web Development: React.js, Redux, HTML/CSS, RESTful APIs
DevOps & Tools: Docker, Git (GitHub, GitLab), Nginx, Maven, Flyway
Databases: PostgreSQL, Redis
Security: JWT, OAuth 2.0
Development Tools: VSCode, Vim, LaTeX

Education

ITMO University	Saint-Petersburg, RUS
Bachelor of Science in Computer Science	Expected July 2026
<ul style="list-style-type: none">Conducted research on Tagged Processor Architecture, focusing on memory safety and performance optimizationDeveloped an emulator for RISC-V processor architecture with custom assembler implementationStudied operating systems principles through practical work with XV6, including memory management and process schedulingGPA: 4.7/5.0	

Experience

Backend Developer	October 2023 - Present
Laboratory COSM, Team Crossroads	Saint-Petersburg, RUS
<ul style="list-style-type: none">Developing backend services using Spring FrameworkImplementing RESTful APIs	

Community & Leadership

Full-Stack Developer. Achieved 3rd place	September 2023
Hackathon "Programming in the North"	Murmansk, RUS
<ul style="list-style-type: none">Led development of two web applications for public transport card management systemDeveloped mobile application using React Native for end-users to manage their transport cardsCreated admin panel with Next.js framework for transport card system management	

Projects

Task Management System Spring Boot, Angular, PostgreSQL Full-Stack	October 2024 - Present
<ul style="list-style-type: none">Developing Jira-like project management system with sprint planning and team collaboration featuresImplemented database migrations using Flyway and optimized query performance with custom indexesCreated stored procedures and functions at database level for complex business logicDeveloped comprehensive test suite using Mockito for API testing and validation	
Accounting Calculator Spring Boot, React, PostgreSQL Full-Stack	July 2024
<ul style="list-style-type: none">Developed automated calculator system for accounting servicesAdmin panel with JWT authentication and Spring SecurityCreated custom email notification system with dedicated domain for client feedbackWrote comprehensive <u>Software Requirements Specification</u>Production deployment: zhukov-finance.ru	
Vehicle Management System Spring Boot, React, WebSocket, PostgreSQL Full-Stack	September 2024
<ul style="list-style-type: none">Developed real-time vehicle management system with WebSocket integration for live updatesBuilt secure admin panel using Spring Security and JWT for authenticationImplemented automated deployment pipeline using Docker and NginxCreated responsive frontend interface using vanilla JavaScript and React with localizationDesigned RESTful API for vehicle data management and real-time synchronization	