

# GALINA KOZYREVA

## Software Engineer

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Dresden

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## SUMMARY

I'm Galina, a software engineer with over ten years of experience in developing and maintaining various software solutions. My main skills include TypeScript, JavaScript and Python, as well as working with databases and scalable architectures. I'm currently exploring Rust and am committed to incorporating environmental sustainability into my work. With a strong willingness to learn new approaches and technologies, I love solving problems and constantly aim to improve my technical skills and teamwork to create smart, sustainable solutions.

## EDUCATION

### Diploma in Computer Science

Saint Petersburg State University of Aerospace and Instrumentation, Faculty of Aerospace Computer and Software Systems

2010 - 2015 Saint Petersburg, Russia

GPA

1.9 / 1.0

## EXPERIENCE

### Team Lead / Senior Full stack Developer

#### Flowplace GmbH

2022 - Present Leipzig

##### Company Description

- Optimized the frontend UI to improve UX/UI, resulting in increased user engagement.
- Led the development of the Flowplace platform, working with TypeScript, Vue.js, Nest.js, PostgreSQL, and Prisma.
- Developed an MVP for new features to gather valuable customer feedback for product enhancements.
- Improved the CI/CD pipeline using Terraform, GitHub Actions, and DigitalOcean, resolving concurrency issues and enhancing the deployment process.
- Ensured GDPR compliance and fortified IT security throughout the software architecture.

### Research Associate

#### TU Dresden, cfaed – Center for Advancing Electronics Dresden

2021 - 2022 Dresden

##### Company Description

- Conducted research on MLIR progressive lowering and advanced optimizations for parallel and emerging computing systems, with a focus on C++.

### Senior Software Engineer

#### Solactive Technologies GmbH

2020 - 2021 Dresden

##### Company Description

- Developed a data scraping and processing service for government bonds using Python.
- Enhanced project architecture with a microservice approach and successfully transitioned it to Kubernetes.
- Established system monitoring and error notifications for robust operations.
- Contributed to frontend development using atomic design principles and React.js.

## SKILLS

### Client-Side

TypeScript React Redux  
Canvas Vue Next.js Tailwind  
Bootstrap

### Server-side

Python NumPy Pandas Nest.js  
Node.js PostgreSQL Redis  
AWS Spark HTTP/2

### Development & Operations

JUnit PyUnit Cypress  
Selenium Scrum Agile GIT

## CERTIFICATION

### Software Security

University of Maryland College Park, 2017

### Usable Security

University of Maryland College Park, 2016

### Introduction to Cybersecurity Tools & Cyber Attacks

IBM, 2022

### Network Security & Database Vulnerabilities

IBM, 2022

## LANGUAGES

English Proficient  
German Intermediate  
Russian Native

## EXPERIENCE

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### Software Engineer

#### Silicon Valley Insight

🏠 2018 - 2020 📍 remote

##### Company Description

- Led diverse web and mobile application projects utilizing a wide range of technologies including Python, Flask, React.js, Redux, TypeScript, Next.js, and React Native.
  - Managed backend projects and implemented robust software architecture solutions to optimize React Native applications.
  - Conducted code reviews and mentored junior developers to enhance code quality and adherence to best practices.
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### IT Security Engineer

#### State Research Institute of Aviation Systems

🏠 2015 - 2018 📍 Moscow

##### Company Description

- Defined, implemented and maintained corporate security policies.
  - Analysed and advised on new security technologies and program conformance.
  - Configured and setup software and workstations.
  - Supported and trained end-users.
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### Backend Developer

#### Tunnll

🏠 2016 - 2017 📍 remote

##### Company Description

- Developed web applications for finding buses and buying tickets in small cities in Spain.
  - Used programming capabilities in Python, Flask, Angular, PostgreSQL, Heroku and Docker.
  - Conducted unit testing to deliver optimal browser functionality.
  - Reviewed code to validate structures, assess security and verify browser, device and operating system compatibility.
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### Python / OpenERP Developer

#### Scientific and Technical Centre Atlas

🏠 2012 - 2014 📍 Moscow

##### Company Description

- Maintained the OpenERP framework and its existing modules
  - Developed new modules to automate the creation of financial documents according to Russian standards
  - Wrote specifications and documentation suitable for government level.
  - Tested web application using Selenium
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### Freelance Developer

#### Freelancer

🏠 2014 - 2020 📍 remote

##### Company Description

- Worked concurrently on several projects
  - Worked with users within business community and IT project team members to develop applications
  - Dynamic sites executed by PHP, Python and JavaScript.
  - Worked as DevOps with Ansible and Jenkins.
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### IT/Business Analyst

#### Scientific and Technical Centre Atlas

🏠 2011 - 2012 📍 Moscow

##### Company Description

- Performed business process, analysis, design and improvement activities.
- Created and maintained metrics required by business processes.
- Created UML diagrams, such as Use Case, Activity, Class and Sequence diagrams.
- Participated in test planning, preparation, execution, issue resolution and logging to ensure that all aspects of the project are in accordance with business requirements.