

# KOSTIANTYN DENYSOV

Staff engineer



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📅 Mar 10, 1988

🌐 Ukrainian

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## OBJECTIVE

**Visa status: Permanent residency in Germany**

Results-driven and highly skilled Backend Software Engineer with a proven track record in both big corporations and startup environments. Offering extensive expertise spanning various industries, including E-Commerce, Fintech, and HR tech. Proficient in designing, developing, and optimizing robust backend systems that drive business success.

## SKILLS

- nodejs
- express
- fastify
- nextjs
- gRPC
- RPC
- Asynchronous Programming
- RESTful API Design
- GraphQL
- WebSockets
- TypeScript
- Event-Driven Architecture
- Middleware Integration
- Security Best Practices (OWASP)
- Unit Testing (Mocha, Chai, Jest)
- Integration Testing
- CI/CD Pipelines
- Authentication & Authorization (JWT, OAuth)
- SQL and Query Optimization
- PL/pgSQL Programming
- NoSQL Data Modeling (MongoDB)
- Go
- Version Control (Git)
- Cloud Platforms (AWS, GCP, Azure)
- Container Orchestration (Kubernetes)
- DevOps Practices and Tools (Terraform, Pulumi)
- Agile/Scrum Methodologies
- And many others ...

## LANGUAGES

- English | Advanced
- German | Elementary
- Ukrainian | Native
- Russian | Native

## EXPERIENCE

Feb 2024

Present

### STAFF ENGINEER

**Join Solutions** | Berlin, Germany

- Led a team up to 4 engineers to successfully implement security and permission-based checks, also refactored whole logic of application processing, that increased application count up to 15%.
- Developed and deployed a scalable microservices architecture using gRPC, Docker, and Kubernetes, which improved system performance by 25%.
- Collaborated with cross-functional teams (Product, Design, QA) to deliver software releases on schedule, achieving a 95% on-time delivery rate.
- Participated in code reviews and provided constructive feedback, which resulted in a 20% improvement in code quality and a significant reduction in post-release bugs. Also, worked on a code review and firefighter policies.

Dec 2022

Jan 2024

### SENIOR BACKEND SOFTWARE ENGINEER

**Join Solutions** | Berlin, Germany

- Developed scalable and efficient backend services primarily using TypeScript, enhancing system reliability and performance across multiple projects.
- Designed and implemented gRPC APIs for seamless communication between backend systems, improving inter-service communication efficiency by 50%.
- Optimized database queries and implemented performance enhancements, achieving up to 1000x faster query execution for critical database operations, significantly boosting overall system responsiveness.

Sep 2021

Dec 2022

### SENIOR SOFTWARE ENGINEER

**Pixsy** | Berlin, Germany

- Designed and implemented advanced image comparison algorithms that increased accurate image recognition rates by 40%, enhancing the platform's capability to identify image matches.
- Developed a system for grouping found images by company utilizing data from social networks, which improved the efficiency of image categorization and customer reporting by 35%.
- Automated data collection and analysis processes, boosting operational efficiency and reducing manual data handling time by 50%.
- Implemented a testing culture and enforced test writing, resulting in a 60% reduction in production bugs and significantly improving code reliability and maintainability.

Mar 2020

Aug 2021

### BACKEND TECHNICAL LEAD

**Sonect** | Zurich, Switzerland

- Led the backend development team in the largest project to date, delivering a white-label solution, "Just in Cash," for BNL.
- Spearheaded the split of a monolithic application into microservices, enhancing scalability and maintainability.
- Migrated the system to a bare metal environment, improving performance and reducing operational costs.
- Integrated the solution with the Bank of Lithuania and a major European debt collector, ensuring seamless financial operations.
- Oversaw the successful implementation of the white-label solution for BNL, including integration with top financial institutions.
- Promoted and enforced a culture of testing and code quality, leading to a 50% reduction in critical bugs and enhanced system reliability.

May 2019

Mar 2020

### BACKEND TECHNICAL LEAD

**BillBeez** | Kyiv, Ukraine

- Led a team of developers to successfully launch a new ntech platform with enhanced performance and security measures.
- Developed scalable and reliable microservices architecture using Node.js and MySQL to optimize data processing speed.
- Designed and implemented RESTful APIs for seamless communication between frontend and backend systems.

Oct 2017

May 2019

### FULLSTACK SOFTWARE ENGINEER

**Thomas Cook** | Kyiv, Ukraine

- Developed web applications using Angular (JavaScript and TypeScript), beside HTML, CSS, and React.
- Designed and implemented RESTful APIs using Node.js and Express.
- Utilized MySQL and MongoDB databases to store and retrieve data.

Aug 2017

Oct 2017

### SOFTWARE ENGINEER (SHORT CONTRACT)

**Eze.tech (Consulting agency)** | Kyiv, Ukraine

- Developed and maintained backend systems for e-commerce platform (tickets reseller) with a team of developers.
- Designed and implemented RESTful API services for a web application using Node.js and Express.

Apr 2017

Aug 2017

### SOFTWARE ENGINEER

**Intersog** | Kyiv, Ukraine

- Developed and maintained software solutions for the Prefender project focusing on searching personal data and aligning with GDPR.
- Collaborated with cross-functional teams to design and implement data privacy features in accordance with regulatory requirements.
- Optimized search algorithms and data storage mechanisms to enhance the efficiency of personal data retrieval.

Jan 2016

Apr 2017

### SOFTWARE ENGINEER

**Leantegra** | Kyiv, Ukraine

- Migrated the CVO portal from Angular 1.5 to React, enhancing performance and user experience. Created a real-time location service and analytics platform, improving data accuracy and providing actionable insights.
- Developed and maintained full stack applications using a diverse set of technologies, including:
  - Frontend: JavaScript (Vanilla, ES5, ES6), Angular.js (1.x), jQuery, React, Redux, HTML5, CSS3, Bootstrap, SCSS, LESS
  - Backend: Node.js, ExpressJS, Sequelize
  - Databases: MySQL, PostgreSQL, MongoDB
  - Tools and Frameworks: MVC, Mocha, Chai, Gulp, Webpack, Babel
- Designed and implemented REST APIs and developed data visualization features using NVD3.

## EDUCATION

Sep 2004

Jun 2009

### (M.FIN.) FINANCE

**Kyiv National Economic University** | <https://kneu.edu.ua/en/>

Sep 2017

Jun 2021

### (B.S.) COMPUTER SCIENCE

**National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"**

| <https://kpi.ua/en/>

## PROJECTS

1. Personal website: <https://www.denysov.me>

2. URL Shortener: <https://www.sshare.dev>