

# Aziz Kurbanov

[krbnv.z@gmail.com](mailto:krbnv.z@gmail.com) | [linkedin.com/in/scry](https://www.linkedin.com/in/scry)

Date of birth: 03.09.1999

Phone (+996) 772 91-91-71

Bishkek, Kyrgyzstan

## Summary

Proactive and detail-oriented **Front-End** Engineer with multiple years of experience in developing scalable web applications and collaborating with cross-functional teams. Skilled in **React**, TypeScript, and automated testing, with a strong foundation in secure software **development** and API integrations.

## Education

Information Technologies Mechanics and Optics (ITMO) University | St. Petersburg, Russia  
**Bachelor of Science in Information and Cyber Security**

## Work Experience

Aug 2024 – Active

### **Aiyl Bank | Bishkek, KGZ (on-site)**

Front-End Engineer

- Architecting and Developing Banks Internal Web Platform: Leading the design of a scalable, optimized platform to support 5k-10k employees across multiple countries, enabling social network-like interactions, document storage, and employee records with plans for expanding functionalities;
- Designed and containerized front-end applications with React and Next.js, ensuring CI/CD compatibility using Docker;

**Technologies:** Node.js, React, Next.js, Redux Toolkit, Docker, PostgreSQL

Feb 2024 – Jul 2024

### **OSCE Secretariat | Vienna, AUT (on-site)**

Software Engineer

- Assisting in the development and optimization of data models and databases, leveraging best practices to support business intelligence and analytics initiatives;
- Collaborating with data engineering teams to develop and maintain data pipelines for collecting, processing, and analyzing large volumes of data for deployment on UN servers;
- Supported cross-functional teams by delivering modular and testable front-end components;

**Technologies:** React, Typescript, PostgreSQL, Python, SVN, Oracle Cloud, Oracle VBS

Jul 2023 – Jan 2024

### **Emerging Markets International | Brussels, BEL (remote)**

Full-Stack Developer

- Led the modernization of a legacy web platform into a scalable React-based application. Resulted in improved performance, maintainability, and scalability
- Conducted secure data handling and integration with backend APIs using WebSocket and REST
- Contributed to the development of a privacy management solution aligned with the requirements of the General Data Protection Regulation (EU GDPR)

**Technologies:** React, RTK Query, Next.js, Tailwind, TypeScript, Docker, Node.js, WebSocket, PostgreSQL, Kali Linux for IT security audit

Feb 2022 – Jul 2023

**Upwork (Freelance) | Bishkek, KGZ (remote)**

Front-End Developer

- Developed PWAs specifically for web vulnerability testing as a part of cybersecurity seminars, engineered to simulate real-world scenarios, enabling participants to gain hands-on experience;
- Developed a webtool for detecting phishing attacks based on the uniform resource locator using python and machine learning;
- Wrote manuals on practical cybersecurity and implementation of ethical hacking tools for penetration testing;

**Technologies:** React, Redux Toolkit, Next.js, Tailwind, TypeScript, Python, Flask, NumPy, Pandas, Scikit-learn, Kali Linux tools for OS pentest

Jun 2021 – Jan 2022

**ZettaSoft IQ | Almaty, KAZ (remote)**

Front-End Developer

- Managed commercial projects including online shops, educational platforms, and executed code refactoring of existing platforms implementing Blitz.js and Next.js improving performance on average by 70%;
- Managed a team of developers, reviewed code before deployment and fixed bugs under the guidance of my senior colleagues;

**Technologies:** React, Redux Toolkit, Next.js, JavaScript, TypeScript

Nov 2020 - Jun 2021

**Makers Coding Bootcamp | Bishkek, KGZ (on-site)**

Front-End Developer

- Developed an MVP with my senior mentors and produced increase of students enrolled by 30% in a span of 3,5 months;
- Worked as a supporting teacher in the Frontend department;
- Organized lesson plans, researched current events and information to help students gain the basic understanding of web development;

**Technologies:** React/Redux, JavaScript, ES6, Bootstrap

**Programming Skills**

JavaScript/TypeScript	Github	Figma/Photoshop
React.js/ Next.js	PostgreSQL	Express
Redux/Redux-Toolkit	Cybersecurity	Node.js
SQL	WebSocket/ REST	GraphQL
Tailwind	Docker	Oracle Cloud

**Languages**

English: <b>Native</b>	Russian: <b>Native</b>	Kyrgyz: <b>Native</b>
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**References**

Burim Alili | Chief, ICT Functional Support Unit (OSCE) | [b.alili@hotmail.com](mailto:b.alili@hotmail.com) | [LinkedIn](#)  
Sanjar Baigaziev | Technical Lead (.NET) | [baigaziev1997@gmail.com](mailto:baigaziev1997@gmail.com) | +996709883448 | [LinkedIn](#)  
Kasymbekov Almambet | Deputy Director, Emerging Markets International (KG Branch) | [LinkedIn](#)