

# Sergey Pyloian

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## SUMMARY

Full-Stack Software Engineer with over 2 years of commercial experience in delivering high-impact software solutions. Successfully launched and optimized more than 5 commercial products, including CRM systems, server monitoring tools, and affiliate platforms. Proficient in full-stack development with an extensive technical stack: JavaScript/TypeScript, React, Node.js, PostgreSQL, AWS, GCP, and Google BigQuery. Demonstrated success in optimizing system performance, reducing API response time by 25%, and accelerating release cycles through CI/CD automation.

## PROFESSIONAL EXPERIENCE

### Software Engineer (Full-stack Developer)

11/2023 – 10/2024

**Smartico** – Gamification, Loyalty, and Marketing Platform

Sofia, Bulgaria

- Developed CRM front-end using **React**, **React-Admin**, **Material UI**, and **Redux**.
- Built back-end services with **Node.js**, **Express**, and **PostgreSQL**, reducing **API** response time by 25%.
- Integrated **Google BigQuery** for data analysis, cutting processing time by 35% and enabling real-time reporting.
- Implemented **CI/CD** pipelines, cutting deployment time by 30%.

### Software Engineer (Full-stack Developer)

11/2023 – 10/2024

**TheAffiliatePlatform (TAP)** – Affiliate platform for the iGaming industry

Sofia, Bulgaria

- Developed front-end with **React**, **Redux**, **Material UI**, and **TypeScript**, increasing user engagement by 20%.
- Improved server-side with **Node.js**, **Express**, and **PostgreSQL**, reducing data processing times.
- Conducted code reviews and debugging, reducing system errors by 30%.

### Software Engineer (Full-stack Developer)

11/2023 – 03/2024

**Smartico Monitoring** – Monitoring of the company's internal servers

Sofia, Bulgaria

- Developed a server monitoring application from scratch, managing **front-end** and **back-end** parts.
- Built an interactive dashboard with **React**, **TypeScript**, and **Material UI** for real-time metric tracking.
- Created a scalable backend using **Node**, **Express**, and **PostgreSQL** for efficient data processing.
- Streamlined deployments with **AWS** and **GCP**, improving infrastructure management.

### Software Engineer (Back-end Developer)

07/2023 – 10/2023

**Freelance** – E-Commerce site

Fribourg, Switzerland

- Developed server-side functionality for an e-commerce site with **Node.js**, **Express**, and **TypeScript**, reducing authentication and payment processing time by 20%.
- Enhanced data storage by integrating **PostgreSQL**, improving data handling speed by 15%.
- Optimized cloud infrastructure using **AWS**, providing automated deployment and high availability.

### Software Engineer (Front-end Developer)

04/2023 – 07/2023

**Freelance** – E-Commerce site

Fribourg, Switzerland

- Engineered UI components using **React**, **TypeScript**, and **Material UI**, improving usability by 15%.
- Designed responsive interfaces with **Material UI** and **CSS**, ensuring cross-device compatibility and improving **UI / UX**.
- Optimized data handling with **React Hooks** and **Redux**, enhancing real-time interactivity by 30%.
- Streamlined navigation with **React Router** and **Axios**, cutting API response times by 25%.

## SKILLS

**Front-end:** HTML, CSS, JavaScript, TypeScript, React, Redux, Next.js, Material UI, Sass/SCSS, Responsive Design, WebSockets, API Integration. **Back-end:** Node.js, Express, NestJS, PostgreSQL, MongoDB, BigQuery, REST API, GraphQL, JWT, OAuth, SSO, Microservices, Data Analysis, Server-Side Rendering. **DevOps / Tools:** AWS (S3, EC2, Lambda, CloudFront), GCP (Cloud Functions, Firestore), Docker, CI/CD (GitHub Actions, Jenkins), Git, Postman, Jira, Sentry, ESLint, Prettier. **Testing / Quality Assurance:** Jest, Mocha, Cypress, Playwright, Supertest, TDD, Code Reviews, Cross-Browser Testing. **General Programming:** OOP, SOLID, Design Patterns, Agile/Scrum, Problem-Solving, Scalability Improvements, Performance Optimization, Technical Documentation.

## EDUCATION

**Kharkiv National University of Economics**, Ukraine - Bachelor of Science in Software Engineering (2019 - 2023)  
**School Business Artisanal and Industrial**, Switzerland - Professional Courses in Software Engineering (2022- 2023)