

SERGEI PETROV

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Location: Limassol, Cyprus

PERSONAL PROFILE

Full-stack Web Developer and IT Operations specialist with over five years of experience building, testing and maintaining online payment systems. Proven track record of resolving complex technical challenges, having played key roles in product development, project management and technical support.

TECHNICAL SKILLS

Frontend

- **JavaScript/TypeScript:** Proficient in modern ES6+ features, using object-oriented and functional programming styles.
- **React JS/Next JS:** Experienced in writing modern React code using popular tools like Redux and React Router. Familiar with new React 19 and Next JS 14+ features like Server Components and Suspense.
- **Web Design:** HTML, CSS, UI frameworks like TailwindCSS, Material UI, Bootstrap. Understanding of UI/UX concepts, responsive design, web performance and SEO metrics and optimization.
- **Figma:** Create and adjust mockups, convert to HTML/CSS or React and UI framework code.

Backend

- **Node JS:** Develop APIs, use web frameworks like Express, write custom middleware, use database ORMs like Prisma.
- **Go (Golang):** Create web services and APIs, use database drivers, understand concurrency patterns, write unit tests.
- **PHP:** Write object-oriented code, use frameworks like Laravel and Yii2, create APIs, render pages using the MVC pattern.
- **SQL:** Write performant queries, optimize table structure with indexes, visualize with UML diagrams, create migrations.
- **Microservices:** Understand the pros and cons, synchronous (REST API, gRPC) vs asynchronous (message brokers, queues) communication. Use multiple deployment strategies (serverless, traditional VPS, containers). Monitor, test and troubleshoot.
- **Payment APIs:** Extensive experience integrating and testing payment processor APIs, including credit cards, bank transfers, e-wallets and cryptocurrency. Understand 3D Secure flow, webhooks, API security and PCI DSS regulations.

Infrastructure

- **CI/CD:** Jenkins, GitHub Actions, Coolify for automated deployments.
- **Docker/Kubernetes:** Use Docker CLI, Docker Compose, Docker Registry, write custom Dockerfiles, familiar with K8s.
- **Cloud Services:** AWS (S3, Lambda, RDS, SES), Cloudflare (DNS, CDN, Web Analytics), Google Cloud (OAuth 2.0 API).

Tools

- **Version Control:** Proficient in using Git for source code management across personal and professional projects. Experienced with GitHub and BitBucket for collaborative code reviews, managing pull requests and overseeing project deployments.
- **Monitoring:** Use Datadog, AWS CloudWatch and OpenSearch for performance monitoring, system health checks and incident investigation.
- **Project Management:** Jira for ticket resolution, project management and writing documentation.
- **Linux:** Using as primary desktop OS, proficient with command line, VIM editor, package managers and Bash scripting for server configuration and maintenance.
- **Testing:** Conduct API testing with Postman, write unit tests, perform automated end-to-end tests using Cypress and execute manual testing for user acceptance. Develop custom applications for specific testing needs.

COURSES AND CERTIFICATIONS

I maintain a curated list with reviews of top programming courses I have completed, offering recommendations for other developers. Explore the collection at: <https://spweb.dev/learning>

PROJECTS

Personal Website (<https://petrovsergei.com>)

A single-page application built with React, Vite and TailwindCSS. Features include a universal code snippet formatter and timestamp conversion tool. Deployed on a VPS, serving as a central hub for all personal projects. Utilizes a CI/CD pipeline with Coolify, Plausible Analytics for usage data, Cloudflare for firewall and CDN caching, AWS S3 for backups and AWS SES for SMTP email services.

Long Habit (<https://longhabit.com>)

An open-source habit tracking and task management tool, developed with Go and React JS. Serves as a proof of concept for a full-stack application using the Pocketbase framework. Aimed at creating a versatile template for deploying small self-contained applications in a simple and cost-effective way.

Praxis API Testing Tool (internal and private)

An internal tool for testing Praxis APIs, SDKs and payment pages. Built with React, Next JS, DaisyUI CSS framework, Prisma ORM, MySQL and Docker Compose. Designed to serve as a demonstration for prospective merchants and new team members. Showcases how Praxis products should be integrated with a single-page application, a very common use case.

EMPLOYMENT HISTORY

Praxis Tech, Limassol, Cyprus – Technical Account Manager (IT Operations)

Jan 2023 – present

Online payment orchestration platform - customizable payment pages, payment gateway APIs, merchant dashboards, transaction analytics, integrations with new payment solutions and CRM platforms.

Tech Stack:

React JS, Node JS, AWS Lambda, PHP, MySQL, MongoDB, OpenSearch, Bitbucket, Docker, Jenkins, Datadog.

Key Achievements:

- Found and resolved multiple long-standing technical issues impacting key Praxis services.
- Led the deployment of emergency bug fixes on a tight schedule, minimizing downtime and lost revenue.
- Provided technical support during the onboarding of key merchants that were critical to the growth of the business.

Responsibilities:

- Analyse and resolve technical issues. Communicate job requirements to development and product teams.
- Write and test code for critical bug fixes and new features.
- Perform code reviews, approve pull requests, monitor deployment of new code to production.
- Participate in user acceptance testing, analyse and sign off on test results, conduct post-deployment system monitoring.
- Lead a team of developers. Attend daily status update meetings, monitor progress, resolve issues and impediments.
- Represent the technical team in front of merchants, CRM providers, payment solutions, users and other stakeholders.

Praxis Tech, Limassol, Cyprus – Product Owner (Payment Solution Integrations)

Oct 2019 – Jan 2023

Key Achievements:

- Managed the integration of over 500 new payment methods, payment solution providers and banks with Praxis.
- Participated in the roll-out of a major overhaul and update of the Praxis product range.

Responsibilities:

- Manage and prioritize the integration backlog of new payment methods and payment solution providers.
- Analyse API documentation, create user stories, communicate business requirements to development teams.
- Create testing plans, participate in user acceptance testing, perform retrospective analysis for deliveries.

Uwire, Limassol, Cyprus – Account Manager

Feb 2018 – Apr 2019

Fintech start-up – business development, customer onboarding, KYC, CRM administration.

- Managed technical onboarding of new clients to the payments platform.
- Configured Google Workspace and Zoho CRM for the team's use.
- Coordinated with development team on custom integration requirements.

EDUCATION

Cyprus Institute of Marketing, Master of Business Administration (MBA)

2019 – 2021

2 year Master of Business Administration degree with a specialization in International Business.

University of Oxford, Master of Chemistry (MChem)

2004 – 2008

4 year Master of Chemistry degree. Modules in advanced mathematics, statistical analysis and computational physics.

LANGUAGES

- **English** - native proficiency
- **Russian** - native proficiency