

Panov Eduard

Elixir / Phoenix / Ruby developer

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Location: Thailand (Open to Remote)



Professional Profile

Experienced Backend Engineer with a 20-year track record in web development, business automation, and complex system integration. Originally starting my career with a background in Applied Mathematics and C++, I have spent the last 15+ years building robust web applications. Currently focused on leveraging my deep architectural experience to build real-time, scalable systems using Elixir and Phoenix.

Core Technical Stack

- **Primary Ecosystem:** Elixir, Phoenix, LiveView, OTP, Ecto
- **Secondary Ecosystem:** Ruby on Rails (15+ years)
- **Databases:** SQL (PostgreSQL, MySQL), NoSQL (Redis, MongoDB)
- **Mobile & Frontend:** React Native, Expo, TypeScript, Firebase
- **Other Languages:** C++, Python
- **DevOps & Infrastructure:** Docker, Linux Server Administration, Nginx, Apache, CI/CD (GitHub Actions, GitLab CI)

Professional experience:

[Awaken Protocol](#) | Lead Elixir Engineer / Architect | Oct 2024 – Present

Project Highlights & Achievements:

- **MMO Game Architecture:** Designed and built a real-time, persistent MMO game server using Elixir, managing high-concurrency connections and live game state.
- **Server-Side Script Execution:** Architected and implemented an automated gameplay system allowing players to deploy custom code executed securely on the server side, keeping player assets active while offline.
- **Cross-Platform Client:** Developed the game client using TypeScript and wrapped it into an Electron application for seamless cross-platform desktop deployment.

- **Full Ecosystem Integration:** Built the public-facing platform using Phoenix, tightly integrated with the live game server, and established a robust DevOps pipeline with comprehensive infrastructure and game server monitoring.

[Easy8 Software s.r.o.](#) | Ruby on Rails Engineer | Oct 2020 – Sept 2024

Selected Project Highlights & Achievements:

- **Enterprise Core Development:** Maintained and enhanced core modules and plugins for large-scale enterprise project management software used globally.
- **FTS and Performance Optimization:** Engineered a specialized Full-Text Search (FTS) module using a hybrid Ruby and C++ architecture, significantly optimizing search performance across massive enterprise datasets.
- **AI Assistant Implementation:** participated in researched, designed, and implemented an AI-powered assistant subsystem using Python, Ruby, and LangChain to automate user workflows, core agents tools, RAG based knowledge base.

Backend Engineer / Contract Tech Lead | [Evrone](#), Good Bit Labs, Smart-Story and so on | 2010 – 2020

- **Role Overview:** Partnered with development agencies and engineering teams to architect, scale, and deliver complex backend ecosystems. Provided technical leadership, system architecture design, and hands-on development across diverse enterprise domains.

Selected Project Highlights & Achievements:

- **Enterprise ERP/CRM Engineering:** Architected and integrated core modules (SCM, Sales, HR, Accounting) for Smart-Story, a comprehensive corporate ERP.
- **Advanced System Integration:** Successfully unified heterogeneous information systems, developing custom plugins to bridge enterprise web applications with infrastructure network equipment including Zabbix, OpenVPN, and Mikrotik.
- **High-Traffic Architecture:** Scaled and maintained high-traffic municipal media portals and event-ticketing platforms (420on.cz).

Lead Solutions Architect | Fossa, Programming Bureau | 2006 – 2010 (4 Years)

Led a business automation agency specializing in BMS for small and medium-sized businesses. Spearheaded technical strategy, managed engineering teams, and aligned software architecture with client business goals.

- **System Architecture:** Designed and oversaw the deployment of business automation platforms for more than one hundred clients.
- **Team Leadership:** Mentored and managed a cross-functional team of engineers and analysts.
- **Technical Stakeholder Management:** Translated complex business requirements from enterprise clients into robust technical specifications, bridging the gap between business logic and backend architecture.
- **Operational Excellence:** Handled end-to-end company operations, client negotiations, and resource allocation.

[Consulting group RUNA](#) | Software Developer (1C/C++) | 2003 - 2006

- Analysis of the company's business processes. Design and development of a new corporate information system. Designing and creating an optimal migration mechanism for more than 500 company users.

[Intel Corporation](#) | C++ Developer | 2001 - 2003

- **Algorithm Optimization:** Optimized performance for audio codecs and implemented complex mathematical algorithms for 3D spatial sound positioning within the Intel Integrated Performance Primitives (IPP) project.

Education: Bachelor Applied Mathematics. Bauman Moscow State Technical University, Fundamental Sciences.

Latest Personal Projects:

- [PushUp](#) | Mobile Application (In Development) | React Native and TypeScript, leveraging the Expo platform and Elixir server backend.
A mobile app that helps people track and change their habits and well-being.
- [StillMe](#) | PWA web application | Elixir, Phoenix.
A private space for honest reflection and receiving wisdom from who you'll become in five years.

Languages: English, Russian