

Hrvoje Pavlinovic

Senior Software Engineer

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12+ Years Experience | 15+ Projects | MSc Computer Science | Remote (B2B)

PROFESSIONAL SUMMARY

Senior Backend Engineer with 12+ years developing scalable serverless architecture and leading technical teams. Expertise in AWS infrastructure, distributed systems, and Web3/blockchain technologies. Proven track record scaling systems to 1.7B+ ad impressions, optimizing performance for thousands of concurrent requests, and implementing security best practices. Experience mentoring teams and translating complex technical concepts for stakeholders.

TECHNICAL SKILLS

Core Expertise: Serverless Architecture, Scalability Solutions, Performance Optimization, DevOps Practices, Web3/Blockchain, System Design

Backend: Node.js, TypeScript, Express, Nest.js, GraphQL, REST APIs

Infrastructure: AWS (CDK, Lambda, ECS), CI/CD, Docker, Kubernetes, Terraform

Databases: PostgreSQL, MongoDB, Redis, Query Optimization

Security: OWASP, Smart Contracts Audit, Auth, Data Protection

Web3/Blockchain: Ethereum, Bitcoin, Smart Contracts, TonConnect, Ethers

Frontend: React, Next.js, Tailwind CSS, Static Site Generation

PROFESSIONAL EXPERIENCE

Senior Backend Engineer

ReneVerse.io | 2023 - Present

- Architect microservices infrastructure supporting interoperable gaming assets across multiple blockchain networks
- Scale mobile backend systems to handle 1.7B+ ad impressions monthly with 99.9% uptime and sub-200ms response times
- Lead third-party API integration projects with Unity and UE SDKs, reducing integration time by 40%
- Explain blockchain concepts to gaming partners and stakeholders, enabling successful technical integrations
- Execute DevOps practices using AWS CDK, improving deployment frequency by 3x and reducing deployment time by 50%
- Mentor team of 4 developers, contributing to 50% reduction in time-to-productivity for new hires
- Consolidate legacy architecture by unifying 6 repositories into monorepo, reducing build time by 50%

Technologies: Node.js, TypeScript, GraphQL, AWS CDK, ECS, Docker, PostgreSQL, Smart Contracts

Software Engineer (Consulting)

CryptoToday | 2024 - 2025

- Architect scalable AWS infrastructure using CDK, ECS, and serverless functions for crypto discovery platform
- Optimize database performance for real-time price scraping from 20+ exchanges, improving query speed by 70%
- Build Ethereum-based decentralized voting engine with zero downtime
- Present complex blockchain voting mechanisms to non-technical stakeholders, securing project approval
- Integrate mobile backend for Telegram mini-app supporting 10K+ daily active users

Technologies: Next.js, MongoDB, PostgreSQL, Ethereum, TonConnect, AWS CDK, ECS

Software Engineer

Povio | 2021 - 2023

- Develop clinical trials management system for German healthcare company Clariness
- Implement scalable backend architecture using AWS, Terraform, Docker, and GitLab CI/CD pipelines
- Integrate Twilio API for direct call agent functionality and resolve critical timezone calculation bugs
- Simplify HIPAA compliance requirements for healthcare team, ensuring successful regulatory approval
- Optimize database performance for handling thousands of concurrent patient record queries

Technologies: Node.js, NestJS, TypeORM, PostgreSQL, AWS, Terraform, Docker

Backend Engineer

Rimac Automobili | 2020 - 2021

- Contribute to Telemetry API and OTA updates system for world's fastest electric hypercar
- Implement microservices architecture using TypeScript, GraphQL, and event-driven design with Kafka
- Design scalability solutions handling real-time telemetry data from 100+ vehicle sensors
- Conduct 15+ technical interviews and establish hiring standards, reducing time-to-hire by 30%
- Create secure OTA updates system with rollback capabilities, ensuring zero failed deployments

Technologies: TypeScript, GraphQL, Apollo Federation, Kafka, PostgreSQL, AWS

Senior Software Engineer

Profico | 2018 - 2020

- Lead development standards meetings with C-level executives, establishing company-wide coding practices
- Architect scalable web applications for Norwegian media company handling 1M+ monthly users
- Implement legacy system integration connecting 4 real estate agency APIs into unified platform
- Mentor 3 junior developers achieving promotion to mid-level positions within 12 months
- Reduce system downtime by 80% through performance optimization and proactive monitoring

Technologies: Node.js, TypeScript, Express, React, PostgreSQL, Redis, Docker

Software Engineer

Ericsson | 2015 - 2018

- Develop internal tools: Nodebook (Symfony), Atlas (data analysis), AAT (testing)
- Improve performance by migrating from Groovy & Grails to Node.js
- Create framework-agnostic schema language for testing tools and present to SoftBank executives

Technologies: Node.js, Symfony, PHP, Python, MySQL

Student Software Developer

Freelance | Apr 2013 - July 2016

- Tracked 3000+ hours on various projects while attending university
- Worked with Joomla, WordPress, Magento, custom PHP + jQuery
- Managed ad campaigns, SEO optimization, and server maintenance
- Balanced work and studies, graduating with multiple job offers

Technologies: PHP, Symfony, jQuery, Joomla, WordPress, Magento, MySQL, Linux, SEO, Google Analytics, Google Ads, Facebook Ads

PERSONAL PROJECTS

Memoato

<https://memoato.com>

AI-powered life tracking platform with voice/text input, automated categorization, and intelligent insights dashboard replacing 5+ productivity apps.

Technologies: T3, AI, Postgres, Vercel

XXI Today

<https://xxi.today>

Comprehensive Bitcoin information hub with wallet explorer, milestone tracking, news curation, and educational resources for the entire Bitcoin ecosystem.

Technologies: T3, Postgres, Bitcoin, Lightning

Personal Portfolio

<https://hrvoje.pavlinovic.com>

Modern personal brand platform built with cutting-edge Deno/Fresh stack, featuring real-time analytics, integrated project showcase, and technical depth demonstration.

Technologies: Deno, KV, Fresh, Tailwind

Apes Club

<https://apes.club>

Solana token launcher with advanced dashboards, creator leaderboards, risk analytics, and community governance for intelligent meme coin discovery.

Technologies: Solana, Web3, TypeScript, DeFi, Rust

EDUCATION

Master's Degree, Computer Science

FESB - Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture | 2014 - 2016

- Master's thesis @ Universidad de Las Palmas de Gran Canaria (Erasmus scholarship)
- Student Teaching Assistant for Introduction to Distributed Information Systems

Bachelor's Degree, Computer Science

FESB - Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture | 2011 - 2014