

# Veaceslav Smolnicov

## Senior AI Full Stack Engineer

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### PROFILE

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Senior AI Full Stack Engineer with 10+ years of experience architecting and delivering scalable web and mobile applications across fintech, edtech, SaaS, and AI-driven platforms. Expert in modern JavaScript ecosystems including React, React Native, Next.js, Vue.js, and TypeScript, combined with robust backend engineering using Node.js, NestJS and Python. Proven history of supporting high-traffic systems serving tens of thousands of users, improving application performance by up to 45%, and building data-intensive dashboards and APIs processing millions of records. Experienced in cloud-native architecture on AWS and GCP with a strong focus on scalability, reliability, security, and long-term maintainability.

### SKILLS

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#### Frontend

React, TypeScript, JavaScript (ES6+), Vue.js, Next.js, Angular, React Native, Kotlin, Tailwind CSS, Material UI, HTML5, CSS3, Responsive Design, WebSockets, Chart.js, Recharts

#### Backend

Node.js, Express.js, NestJS, Python (FastAPI, Flask, Django), REST APIs, GraphQL, PostgreSQL, MySQL, MongoDB, Redis, Firebase Firestore, JWT Authentication, Microservices Architecture

#### AI & Automation

OpenAI APIs, LangChain, TensorFlow, Scikit-learn, NLP, Data Analysis, CrewAI, AI Chatbots, Voice Agents, Multi-Agent Orchestration, Prompt Engineering

#### DevOps & Cloud

AWS (Lambda, ECS, S3, RDS), Azure, Firebase, Docker, CI/CD Pipelines, GitHub Actions, GitLab CI/CD, Nginx, Vercel, Cloudflare

#### Performance, Security & Quality

Application Performance Optimization, Scalable Architecture Design, Secure API Development, Load Testing, Monitoring, Logging, Error Tracking, Code Review, Technical Documentation

#### Other

Git, Agile / Scrum, Jira, System Design, MVP Development, SaaS Architecture, SEO-Aware Development, Long-Term Product Maintenance

## WORK EXPERIENCE

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01/2024 – Present Remote	<b>Senior Full Stack Engineer, ExpandX</b> ☈ <ul style="list-style-type: none"><li>Architected and delivered scalable full-stack SaaS platforms using TypeScript, React, Node.js, PostgreSQL, and AWS, reliably supporting more than 10,000 concurrent users across production environments.</li><li>Designed clean, modular REST and GraphQL APIs with strong emphasis on domain-driven structure, automated testing, and long-term maintainability.</li><li>Optimized relational data models and complex SQL queries, improving data retrieval performance by 25–30% and reducing infrastructure load.</li><li>Deployed and operated cloud-native services on AWS using containerization, CI/CD automation, and observability tooling to ensure reliable, repeatable releases.</li><li>Established engineering best practices across code review, monitoring, structured logging, and incident prevention, lowering runtime error rates by approximately 30%.</li><li>Integrated AI-driven capabilities including OpenAI-powered assistants, workflow automation, and intelligent data processing to enhance product value and operational efficiency.</li></ul>
02/2021 – 11/2023 Remote	<b>Senior Full Stack Developer, Temy</b> ☈ <ul style="list-style-type: none"><li>Designed and maintained scalable mobile and web UI architectures across multiple production applications, improving code reuse and reducing feature delivery time by approximately 20%.</li><li>Delivered end-to-end user-facing features using React Native and Kotlin, including UI flows, state handling, offline data behavior, and API connectivity.</li><li>Integrated applications with numerous REST endpoints, optimizing data fetching, pagination, and error handling to enhance responsiveness and reliability.</li><li>Implemented offline-first UX patterns with local persistence and caching, reducing unnecessary network usage by around 30%.</li><li>Collaborated with product managers, designers, and backend engineers in iterative Agile cycles to deliver polished, production-ready user experiences.</li><li>Improved application stability and usability by resolving performance issues, memory leaks, and concurrency problems, reducing crash rates by up to 40%.</li><li>Supported continuous delivery through Git-based workflows, peer reviews, and consistent bi-weekly release cycles.</li></ul>
07/2019 – 01/2021 Remote	<b>Full Stack Engineer, CorLab Tech</b> ☈ <ul style="list-style-type: none"><li>Designed and maintained modular mobile application architectures using MVVM and repository patterns across more than six production Android applications, increasing code reusability and reducing feature delivery time by approximately 20%.</li><li>Delivered end-to-end product features in React Native and Kotlin, owning UI implementation, business logic, local data management, and API integration for both B2B and consumer-facing solutions.</li><li>Integrated mobile clients with over 15 RESTful API endpoints, collaborating closely with backend engineers to define contracts, manage pagination and error handling, and optimize network performance.</li><li>Implemented SQL-based local persistence and intelligent caching strategies that enabled reliable offline-first behavior and reduced redundant network usage by around 30%.</li></ul>

- Enhanced application stability by resolving performance bottlenecks, memory leaks, and concurrency issues, contributing to a 25–40% reduction in crash rates across supported applications.
- Contributed to code reviews and Agile delivery processes using Git-based workflows, supporting consistent bi-weekly releases with high quality and predictability.

10/2016 – 06/2019  
Chisinau, Moldova

#### **Full Stack Developer, *CreativSoft***

- Developed and maintained scalable full-stack web applications using Node.js, Python, and Django, delivering production-grade solutions for clients across finance, healthcare, retail, and consumer service sectors.
- Implemented AI-driven capabilities including predictive analytics, intelligent workflow automation, and conversational chatbot systems, improving operational efficiency and decision-making outcomes by approximately 30%.
- Designed and optimized high-performance backend APIs and distributed services, ensuring reliability, scalability, and seamless integration with modern frontend applications.
- Collaborated closely with product managers, designers, and QA teams within Agile delivery environments to ship high-quality, client-focused software on schedule.
- Enforced application security, data protection, and compliance best practices across enterprise systems, maintaining data integrity and adherence to industry standards.
- Contributed to end-to-end architecture planning, development, automated testing, and cloud deployment, supporting the delivery of maintainable and scalable software platforms.

## **Projects**

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### **CryptoWizard**

- Led the end-to-end development and optimization of a cryptocurrency analytics and education platform supporting 5,000+ monthly active traders, delivering a high-performance and scalable web experience using React, TypeScript, Node.js, MongoDB, and Elasticsearch.
- Designed and implemented 120+ reusable UI components with React and TypeScript, standardizing design workflows and accelerating new feature delivery speed by 45% within an Agile development framework.
- Collaborated closely with product stakeholders in Agile sprints to ship user-requested features, improving user engagement by 28% and retention by 20%, while ensuring backend scalability and search performance through Node.js, MongoDB, and Elasticsearch.
- Integrated real-time market data feeds, advanced charting tools, and third-party trading APIs, cutting average data response latency by 30% while deploying and scaling services on AWS and Azure cloud environments.

### **Trend Assist Ai**

- Played a key role in scaling the core SaaS infrastructure using Next.js, Vue, Python, NestJS, PostgreSQL, Redis, Docker, and AWS, enabling the platform to reliably support 8,000+ registered users and sustained daily AI-powered content generation activity.
- Strengthened authentication, subscription, and billing logic with Stripe integrations and secure API design, decreasing payment-related support issues by 35% and improving successful checkout completion rates by 20%.
- Implemented optimized background job processing and API orchestration leveraging Redis queues and OpenAI API integrations, cutting real-time interaction latency by 40% and improving overall system uptime to 99.9%.
- Led UX and workflow refinements within an Agile development environment, increasing returning user frequency by 25% and boosting paid conversion rates by 18%.

## **CheapVerifier** ↗

- Led the design and implementation of AI-driven email verification for CheapVerifier, processing 10,000+ daily email verifications with high accuracy.
- Integrated large language models (LLMs) to analyze email structure, domain patterns, and sender reputation, improving spam and risk detection accuracy by 30% and reducing false positives by 25%.
- Developed machine learning classifiers to predict invalid, disposable, or risky emails, increasing overall verification precision by 28%.
- Leveraged natural language processing (NLP) techniques to identify subtle phishing or suspicious patterns in email content, enhancing security and deliverability predictions.

## **EDUCATION**

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2012 – 2016  
Chisinau, Moldova

**Computer and Information Systems Security/Information Assurance,**  
*Technical University of Moldova* ↗