

Miki Vitkovski

Software Engineer

Full Stack Engineer focused on scalable SaaS and AI-driven systems



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WORKEXPERIENCE

Full Stack Software Engineer

Bettersolutionsgroup

09/2025 - 03/2026

Skopje, North Macedonia - Remote

- Led the development and delivery of a scalable, multi-tenant SaaS platform, based on predefined system architecture and product design, using Node.js, TypeScript, PostgreSQL, React, and Next.js
- Designed and maintained REST APIs with schema validation (Zod), structured error handling, and Swagger/OpenAPI documentation for internal and external integrations
- Built document processing and automation pipelines (secure uploads, cloud storage, OCR, AI extraction) to populate PDF and Word templates and reduce manual workflows
- Implemented authentication and authorization systems (JWT, MFA, RBAC) with tenant isolation for secure multi user environments
- Developed subscription billing and access control using Paysera, including webhook based synchronization and usage tracking
- Introduced audit logging and activity tracking to support compliance, traceability, and system monitoring
- Built responsive, role based frontend applications (admin dashboards, document review workflows) using React and Next.js
- Deployed and operated services using Docker, AWS, Vercel, and Coolify, supporting CI/CD pipelines via GitHub and GitLab, contributing within a team to deliver scalable features in an agile environment
- Collaborated closely with product and stakeholders to deliver end-to-end features from architecture and data modeling to production deployment

Full Stack Software Engineer

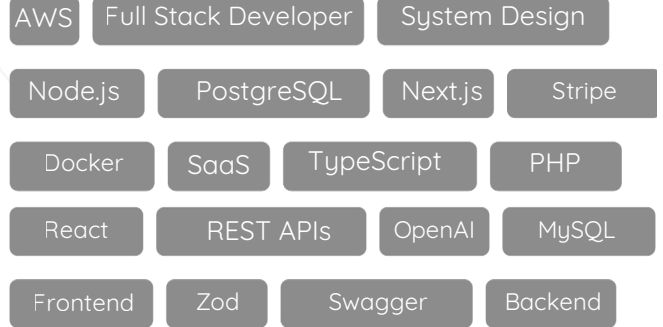
FastTelekom

05/2025 - 08/2025

Sweden, Remote

- Built subscription and pricing systems with dynamic plan handling, role based logic, and flexible configuration
- Implemented Stripe integrations, including checkout flows, subscription management, and webhook driven updates
- Developed responsive interfaces with JavaScript, PHP, HTML, and CSS, ensuring smooth cross device experience
- Enhanced UI rendering to support dynamic content and conditional states across user workflows
- Applied validation, error handling, and security practices for reliable data handling
- Collaborated with stakeholders to translate business logic and pricing models into scalable solutions

TAGS



EDUCATION

University Kliment Ohridski

Computer Science and Technology

09/2013 - 05/2016

- Strong academic foundation in Computer Science with focus on software engineering, data structures, databases, and analytical thinking.
- Education emphasized problem solving and building reliable software systems.

CERTIFICATIONS

Full Stack Development

Udemy - React, Next.js, Node.js, PostgreSQL

- Built full stack applications with modern architecture (REST APIs, client server separation)
- Developed scalable frontend systems with React and Next.js (SSR, performance optimization)
- Designed backend services with Node.js, including API structure, validation, and business logic
- Modeled relational databases and optimized queries in PostgreSQL for performance
- Implemented authentication and authorization patterns (JWT, role-based access)

WORK EXPERIENCE

Full Stack Software Engineer

JZ France

06/2024 - 04/2025

France - Remote

- Developed subscription and pricing features with dynamic plan handling, role based logic, and flexible configuration
- Implemented multi language functionality with browser based language detection and dynamic content localization, enabling seamless support for international users
- Built interactive location based features using Google Maps API, including dynamic filtering, real time updates, and user driven interactions to improve usability and engagement
- Optimized frontend and backend performance (~40% faster load time) and increased SEO score from 70 to 95 through efficient rendering, asset optimization, and backend improvements
- Integrated OpenAI API (via REST/OpenAPI) to enable real time content translation and AI-driven automation workflows within the platform
- Improved system scalability, maintainability, and code structure by introducing modular patterns and cleaner architecture for long term platform growth
- Collaborated closely with stakeholders to gather requirements, define technical solutions, and deliver reliable, production ready features aligned with business goals

Full Stack Software Engineer

Learnhub

02/2024 - 05/2024

North Macedonia - Remote

- Integrated frontend with backend APIs and contributed to improving data flow and API usage
- Designed and maintained reusable UI components and layout systems, improving consistency, scalability, and maintainability of the codebase
- Contributed to frontend architecture, organizing code structure and component hierarchy to support scalable feature development
- Implemented Cloudflare Turnstile and frontend security practices to protect public facing forms and improve application reliability
- Applied SEO and performance optimization techniques (semantic HTML, structured metadata, efficient rendering) to improve visibility and load performance
- Collaborated with designers, backend engineers, and stakeholders to deliver production-ready user interfaces aligned with product requirements
- Participated in code reviews, improving code quality, enforcing standards, and supporting team consistency
- Contributed to performance improvements and overall codebase organization, reducing complexity and improving development workflows
- Worked in an iterative environment, aligning frontend delivery with product goals and release cycles

EDUCATION

Amazon Web Services (AWS)

- Designed, deployed, and managed cloud based applications using AWS services including EC2, ECS, Lambda, S3, and IAM
- Built and maintained scalable compute infrastructure (EC2, ECS) and serverless workflows using AWS Lambda for event driven processing
- Configured secure access control using IAM roles and policies, applying least privilege principles across services
- Implemented and integrated S3 based storage solutions for file handling, backups, and application data
- Set up and managed cloud environments, including configuration, monitoring, and performance optimization
- Supported deployment workflows and CI/CD processes in cloud environments to improve scalability, reliability, and system stability

Artificial Intelligence - Fundamentals

Udemy - AI Fundamentals

- Applied AI concepts in real-world software scenarios, focusing on automation, data extraction, and decision-support systems
- Worked with structured and unstructured data, including preprocessing, transformation, and preparation for AI-driven workflows
- Built logic-based and rule-based systems as a foundation for intelligent application behavior and workflow automation
- Integrated AI APIs (e.g. OpenAI) into backend services to enable text processing, data extraction, and content generation features
- Implemented simple AI-assisted pipelines combining OCR, data parsing, and validation to reduce manual processing
- Explored machine learning fundamentals, including algorithms, model behavior, and practical use cases in software systems
- Designed backend workflows leveraging AI to enhance efficiency, accuracy, and scalability of SaaS platforms
- Applied AI concepts within production-oriented environments, aligning features with business needs and user workflows

AI Assisted Development Tools

- Experience using ChatGPT for development support, debugging, research, and workflow optimization
- Experience working with Cursor AI for AI-assisted coding, refactoring, and rapid prototyping
- Familiar with GitHub Copilot for code suggestions, productivity, and development acceleration

WORK EXPERIENCE

Full Stack Software Engineer

Private Client · Subscription Platform

05/2023 - 11/2023

- Developed a platform for managing subscription plans, user access, and billing workflows
- Built backend APIs using Node.js and Express with validation, structured error handling, and role based access control
- Implemented subscription lifecycle logic (plans, upgrades, access rules) and usage based features
- Integrated payment workflows (Stripe), including checkout flows and webhook-based state synchronization
- Developed responsive frontend interfaces using React for managing users, plans, and admin operations
- Designed modular and scalable architecture to support long term platform growth and extensibility
- Collaborated with stakeholders to define requirements and deliver production ready features aligned with business needs
- Delivered features in an agile environment with iterative releases and stakeholder feedback

SOFT SKILLS

Problem Solving

System Thinking

Collaboration

Product Mindset

Ownership

Communication

LANGUAGES

English Full Professional Proficiency

Macedonian Native or Bilingual Proficiency

Serbian Limited Working Proficiency

Croatian Limited Working Proficiency

INTERESTS

Family

Nature

OpenAI

Motorcycle

Full Stack Developer (Freelance & Product Work)

Freelancer & Upwork & Fiverr & Direct Clients

10/2022 - Present

- Designed and developed SaaS based platforms and full stack applications, covering system architecture, multi-tenant structures, and end-to-end product delivery from concept to production
- Built scalable frontend systems using React and Next.js, focusing on performance, accessibility, and maintainable component driven architecture for complex SaaS interfaces
- Architected and implemented backend services and REST APIs using Node.js and Express, including data modeling, validation (Zod), error handling, and secure API design
- Developed and maintained SaaS features such as authentication (JWT, MFA), role based access control (RBAC), subscription logic, and usage based workflows
- Integrated payment systems (Stripe, Paysera) and third party services, ensuring reliable billing flows, webhook handling, and external API communication
- Built AI-powered document processing pipelines (OCR + OpenAI) for SaaS automation, enabling structured data extraction (invoices, metadata) and reducing manual work
- Deployed and operated SaaS applications using Docker and cloud platforms (AWS, Vercel), improving scalability, performance, and system reliability
- Implemented performance optimizations, security improvements, and monitoring/logging mechanisms to support production-grade SaaS environments
- Collaborated directly with clients and stakeholders to define product requirements and deliver scalable, production-ready SaaS solutions

SELECTED PROJECTS

Full Stack Engineer – SaaS Platform (E-commerce)

02/2026 - Present

- Developed scalable full-stack e-commerce platform for health and supplement products using Next.js, React, Node.js, TypeScript, and PostgreSQL.
- Built secure REST APIs with JWT/cookie authentication, MFA (TOTP), RBAC, and multi-tenant organization architecture.
- Implemented responsive storefront and admin dashboard with product management, analytics, onboarding, billing, and notifications.
- Designed dynamic product page builder with 15+ configurable marketing sections including FAQs, testimonials, supplement facts, and comparison tables.
- Developed product analytics system with GeoIP tracking, privacy safe IP hashing, and aggregated admin reporting dashboards.
- Integrated AI-powered image and video generation workflows using OpenAI APIs with AWS S3 media storage and rate limiting.
- Created product catalog management with image/video uploads, package pricing, reviews, testimonials, and category-based filtering.
- Implemented secure AWS S3 asset upload workflows with presigned URLs and media management features.
- Documented backend APIs with Swagger/OpenAPI and optimized scalable backend services for organization-based access control.
- Deployed frontend and backend infrastructure on Vercel with Dockerized PostgreSQL environment for local development and testing.

Full Stack Engineer – SaaS Platform (AccuraAI)

08/2025 - 04/2026

- Developed a scalable SaaS platform for invoice and document management using React, Next.js, Node.js, Express.js and PostgreSQL.
- Implemented secure authentication with MFA, JWT and RBAC for protected multi-user access.
- Built API-driven architecture with Zod validation and Swagger documentation for reliable integrations.
- Developed AI-powered document data extraction to automatically identify invoice fields (date, number, VAT, base and total).
- Implemented automatic Excel autopopulation for accounting workflows, reducing manual data entry and errors.
- Created audit logging system to track user actions, document processing and system events.
- Implemented notification workflows for document processing status, approvals and exports.
- Designed scalable PostgreSQL database schema and optimized backend services for reliable data processing.
- Built responsive UI components and integrated secure REST APIs for document and workflow management.

Persons & Motorcycles Events App

- Full-stack CRUD application for managing persons and motorcycle events.
- Backend API development with Node.js and Express.
- Relational database design and data management using MySQL.
- Form validation, filtering, and structured data handling.

Custom Contact Form

- Server side contact form with PHP based email delivery.
- Spam protection and input validation for secure submissions.
- Configurable form fields and reusable backend logic
- Integration ready design for use across multiple websites.

Event Registration System

- Backend-driven registration system with MySQL data storage.
- Form validation and secure data handling.
- Administrative view for managing registrations.
- Scalable structure suitable for small events and workshops.