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EDUCATION

Weak current engineer

Nikola Tesla College, Nis, Serbia

Sep 1993 – Jan 1997

LANGUAGES

- Serbian (native)
- English (advanced)
- Spanish (intermediate)

WORK EXPERIENCE

- **Senior Developer Consultant** Endava Dec 2022 – Present

Senior developer at Endava in Niš, Serbia since December 2022. The work spans full-stack delivery for insurance, payments, and media clients — React UIs, AWS Lambda backends, and the Terraform and CI/CD pipelines that support them in production.

Endava assignments tend to combine product-facing UI work with serverless backend and platform engineering.

- **Senior Developer** Prime Software Oct 2017 – Nov 2022

Over five years, the work centered on full-stack web delivery for international clients across the US, UK, and Switzerland — from enterprise chatbot and collaboration products to education and internal business platforms.

Prime Software engagements were typically long-running, team-based deliveries in SCRUM with Git-flow.

- **Senior Developer** Ennovative Web Solutions Pty Ltd Oct 2012 – Oct 2017

The company is an Adelaide-based studio serving Australian clients, and the work spanned ASP.NET web platforms, Sitefinity CMS implementations, hybrid mobile applications, and large single-page applications — often as full-stack delivery from backend APIs through to production UI.

Ennovative engagements combined Microsoft web stack delivery with early mobile and SPA work.

- **Medior Developer** Illumnis Oct 2007 – Oct 2012

The work combined ASP.NET web applications, Borland Delphi desktop software, and web scraping and data extraction for travel-industry clients — with direct communication to foreign stakeholders throughout requirements, delivery, and maintenance.

Illumnis assignments covered web, desktop, and data-acquisition work on long-running client systems.

- **Remote Developer** StryxCode Apr 2009 – Mar 2010

A focused one-year engagement building web applications end-to-end — from early requirements through implementation, testing, and ongoing maintenance — while working remotely with the team.

- **Remote Developer** Golden Dragon Apr 2009 – Aug 2009

A four-month engagement providing technical support for the GD Star Rating WordPress plugin — helping users and maintainers with issues, fixes, and plugin behavior in production WordPress sites.

- **Freelance Developer** Self-employed Apr 1998 – Present

The freelance track spans desktop applications, web and mobile products, data crawlers and scrapers, and occasional experiments (including a C# / DirectX 3D engine), from early Visual Basic and Delphi through modern full-stack delivery.

Freelance engagements are typically end-to-end: scoping with a client or personal goal, building, shipping, and maintaining.

PROJECTS

NotNull Online

Solo designer & full-stack developer · Jul 2026 – Jul 2026

Rust, Axum, Tokio, Serde, MongoDB Rust driver, Angular 22, Angular Material 22, Tailwind CSS 4, pnpm, MongoDB Atlas, Atlas Search, Atlas Vector Search, Google Gemini, OpenAI text-embedding-3-small, JWT, Argon2, AWS, S3, CloudFront, ACM, EC2, Secrets Manager/SSM, AWS CDK v2, GitHub Actions, Playwright, Docker, TypeScript, Vibe Coding

NotNull Online is an AI-first portfolio platform that replaces static navigation with a Retrieval-Augmented Generation (RAG) assistant, utilizing MongoDB Atlas Vector Search and full-text keyword matching to deliver streaming, source-cited answers grounded in a custom content model. Built to balance conversational discovery with SEO-friendly architecture, the site achieves Lighthouse SEO scores of 90+ and features a comprehensive CMS for managing 10 distinct content types, automated CI/CD via GitHub Actions and AWS, and a robust testing suite including Rust integration, Angular unit, and Playwright E2E tests. By prioritizing factual grounding and transparency, the platform provides a secure, reliable, and highly interactive user experience that enables recruiters to efficiently explore professional credentials while maintaining full visibility for search engine crawlers.

Street Lighting Control Platform

Full-Stack Developer (Freelance) · Feb 2025 – Jun 2026

React, TypeScript, NestJS, Node.js, MongoDB, Redis, MQTT, Socket.IO, Google Maps API, AWS Lightsail, Vite, Tailwind CSS, DaisyUI, React Router, JWT, REST, Vitest, Testing Library, Playwright, pnpm, Git, Vibe Coding

As the sole full-stack developer, I engineered a production-ready, real-time street lighting control platform (urban-lumi.com) to centralize municipal infrastructure management. I built a scalable system architecture using a NestJS API, MongoDB, and Redis to handle MQTT-based hardware telemetry, pushing live updates to a React-based operator dashboard via WebSockets. Key technical contributions included implementing astronomical automation schedules, Google Maps integration for asset visualization, and a comprehensive reporting engine with PDF/Excel exports. To ensure enterprise-grade reliability and security, I deployed the platform on AWS Lightsail with robust role-based access control, JWT authentication, and security header implementation, while maintaining code quality through extensive Vitest and Playwright test suites.

BYOK DeepSeek Credits — VS Code Extension

Developer · Jun 2026 – Jun 2026

TypeScript, VS Code Extension API, SecretStorage, esbuild, ESLint, Mocha, Vibe Coding

Developed a TypeScript-based VS Code extension that integrates DeepSeek API credit monitoring directly into the IDE status bar, eliminating the need for external dashboard context switching. The extension features a secure client-side architecture that leverages the VS Code SecretStorage API for encrypted credential management and employs a modular provider abstraction layer to facilitate future support for additional AI services. Built with modern tooling including esbuild and ESLint, the solution provides configurable real-time balance updates via direct integration with DeepSeek's API, ensuring a secure, streamlined, and privacy-focused workflow for developers.

Gorgeous Orchids

Solo developer · Oct 2025 – Present

Rust, Axum, Flutter, Dart, React, TypeScript, AWS, MongoDB, OpenAI API, Vibe Coding

Designed and engineered Gorgeous Orchids, a cross-platform mobile collectible game featuring a high-performance Rust and Axum backend, a Flutter mobile client, and a React-based administrative ecosystem. Architected the full-stack infrastructure via AWS CDK to support real-time features including secure peer-to-peer trading, rarity-based pack mechanics, and an automated AI-driven content pipeline for 288 unique assets. Delivered a robust, production-ready application deployed to the Apple App Store and Google Play Store, supported by a comprehensive QA framework that achieved 100% E2E test coverage on the admin portal and 85%+ coverage on the mobile client.

Insurance slip validation platform

Full-stack developer · Mar 2025 – Present

typescript, python, terraform, amazon-web-services, aws-lambda, react, amazon-s3, github-actions

Building and enhancing a Validation UI to process and verify raw slips from multiple external sources. The system ensures data consistency, highlights potential issues, and supports automated validation workflows.

Maintaining legacy AWS Lambda functions and developing new ones in TypeScript and Python. Creating infrastructure through Terraform. Automating deployment with GitHub Actions.

Payment terminal ETL integration

Developer · Mar 2024 – Dec 2024

TypeScript, Amazon Web Services, AWS Lambda, Amazon API Gateway, Event-Driven Architecture

The project integrates Playstation Plus transaction data with the Horizon system and new SD (Second Device) device using an ETL interface that extracts, transforms, and loads terminal transaction information for processing, validation, and distribution.

Designed and maintained processes that extract transaction data, transform it into Horizon format, validate and process files, handle errors, and ensure reliable delivery to downstream systems.

Unified contract management system

Backend developer · Jan 2024 – Jul 2024

TypeScript, Terraform, Amazon Web Services, AWS Lambda, Amazon S3, AWS Step Functions, CircleCI, Amazon DynamoDB

A unified contract management system that centralizes contracts across multiple company entities, providing a single source of truth. It improves visibility, ensures compliance, streamlines workflows, and simplifies contract lifecycle management.

Developing and maintaining AWS Lambda functions to support new platform features and integrations. Creating and managing cloud infrastructure resources using Terraform. Automating build, test, and deployment pipelines with CI/CD tools (CircleCI) to ensure reliable and efficient releases.

Dynamic PDF printing service

Backend/Frontend developer · Jan 2022 – Nov 2023

TypeScript, React, Storybook

Develop a dynamic PDF printing service to rebrand existing documents and enable white-labeling for newly acquired companies. The system will automate template updates, branding elements, and document generation.

Implement functions to generate and render PDFs in accordance with the provided design specifications, ensuring accurate layout, styling, and formatting, while supporting dynamic data, branding elements, and template updates.

OKR collaboration platform

Frontend developer · Jul 2021 – Oct 2022

TypeScript, Angular, HTML, Less, Konva.js, kubernetes

Offering fresh ideas for innovative OKR-related solutions that help teams define clear objectives, track measurable results, and improve alignment, focus, and performance across projects and organizations.

Handling frontend development tasks, including implementing new features, maintaining and improving existing code, fixing bugs, optimizing UI performance, and supporting continuous improvements to usability and overall user experience.

Education video conferencing platform

Full-stack developer · Sep 2020 – Jul 2021

JavaScript, TypeScript, .NET Core, HTML, SCSS, CSS, Angular

Video conferencing application designed specifically for educational institutions, enabling teachers and students to connect remotely, host virtual classes, share screens, collaborate in real time, and manage online learning sessions efficiently.

Designing and developing application components, implementing and maintaining application state management, ensuring efficient data flow, improving performance, and supporting scalable, maintainable architecture across the application.

eLORganizer

Freelance developer · Jan 2021 – Present

Express, Angular, Microsoft Azure, Azure Functions, SendGrid, Stripe

Freelance project built in 2021. Express 4 backend, Angular 10 frontend, Azure Cloud Services and Functions, SendGrid campaigns, and Stripe payments. Live at elorganizer.com.

Enterprise chatbot STT/TTS enhancements

Frontend developer · Sep 2018 – Aug 2020

JavaScript, jQuery, HTML, CSS

The project focuses on enhancing an internal IBM Watson chatbot application by improving speech-to-text (STT) and text-to-speech (TTS) capabilities, adding new features, and integrating external service APIs to expand functionality and improve overall user interaction.

Improving and optimizing existing STT (speech-to-text) and TTS (text-to-speech) features of the internal IBM Watson chatbot application. Implementing new functionality, enhancing performance, fixing issues, and integrating the system with additional IBM service APIs.

Mobile workout tracking app

Mobile, backend and frontend developer · May 2015 – Jun 2017

JavaScript, Java, Objective-C, C#, Apache Cordova, Sitefinity, Microsoft Azure, Microsoft SQL Server

Using a regular mobile phone to organize and track daily workouts. The system records personal workout statistics, automatically counting repetitions and measuring exposure time for each exercise to help monitor progress and improve training efficiency.

Building the app from scratch. Implementing an algorithm that detects exposure and repetition utilizing the embedded accelerometer sensor. Implementing a workout planner. Implementing a data acquisition module. Integrating a synchronization module.

Airline flight data aggregation platform

Developer · May 2008 – Jun 2012

Pascal, C#, Windows Forms, Borland Delphi

The project focuses on developing and maintaining web scrapers for multiple airlines to collect flight-related data. It involves implementing data-extraction logic, handling diverse website structures, and ensuring the scrapers remain functional as airline platforms evolve.

Developing and maintaining web scrapers for multiple airline companies to collect and process flight data. Regularly updating the scrapers whenever target platforms modify their structure or when flight pricing systems change. Designing and implementing new scrapers for additional airline providers to expand data coverage and improve the overall system.

The Bill, Please

Freelance developer · Jan 2012 – Present

Android SDK, Java, SQLite

Android application for waiters built from 2012 onward using Android SDK 2.2+, Java 1.6, SQLite 3, developed with Eclipse on Ubuntu Linux.

Finally web crawler

Freelance developer · Jan 2010 – Present

C#, WPF, XML

Internal-use web crawler and scraper for torrentz.com and podnapisi.net built in 2010 with C#, WPF, XML, and multi-threading.

Chelleba e-commerce website

Freelance developer · Jan 2010 – Present

PHP, MySQL, jQuery

Built Chelleba e-commerce website in 2010 using PHP 5.3, MySQL 5.1, and jQuery. Site is offline at the moment per CV.

BlockComment Visual Studio add-in

Freelance developer · Jan 2008 – Present

C#

BlockComment add-in for Visual Studio 2008/2010 for internal use, built in 2008 with C#.

Atest 2000

Freelance developer · Jan 2000 – Oct 2007

Visual Basic, MS Access, Crystal Reports

Certificate documentation management system for MIN DIV Svrlijig ("Mechanical Industry of Niš", a manufacturer of bolts and sleeper screws, fasteners, and equipment for railway track superstructure and light rail vehicles), built in 2000 with Visual Basic, MS Access, and Crystal Reports.

Stetoskop medical records

Freelance developer · Jan 2006 – Present

C#, .NET Framework, XML

Patient medical record management software for INTERMEDIC Clinic in Svrlijig, built in 2006 with C# .NET Framework 2.0 and XML storage.

Knjigovodstvo accounting software

Freelance developer · Jan 2004 – Present

C#, .NET Framework, MS Access

Financial accounting software for Poletarac Nursery in Svrlijig, built in 2004 with C# .NET Framework 2.0 and MS Access.

Catman disk cataloger

Freelance developer · Jan 2001 – Present

Borland Delphi, MS Access

Disk cataloger for internal use, built in 2001 with Borland Delphi 6 and MS Access.