Jelena Kocić

Full Stack Developer Python | Next.js, and AI

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https://github.com/kocicjelena/ |

https://bitbucket.org/kocicjelena/ |

https://hub.docker.com/r/kjelenak |

https://www.npmjs.com/~kocicjelena |

Portfolio https://sites.google.com/view/jelenakocic/resume

Summary

Software Engineer & Full Stack Developer with deep expertise in building software applications, systems, and network solutions. Proficient in Python, Node.js, and familiar with Java, C/C++, Go. Focus on delivering scalable, high-performance solutions across diverse environments, solving infrastructure constraints

Highlighted Projects

- **Internal agent-based workflow** – Next.js – RAG +Multi-agent systems/agent/tools/instructions workflows; Context-aware https://github.com/kocicjelena/internal-AI-workloads-nextjs
- **NextAuth Fullstack TS Demo** – Live Demo (next-auth-fullstack-ts.vercel.app in Bing) Implemented authentication workflows using NextAuth.js, TypeScript, and DynamoDB, SES, Cognito, SDK AWS. Demonstrates secure login flows
- **Ollama Local AI Integration** – GitHub Integrated local LLM workflows with Node.js and TypeScript. Highlights experience with AI augmentation and vector data handling.
- **Simple MCP Server Alpha** – GitHub Lightweight server implementation with TypeScript, demonstrating API design and modular frame of Nextjs
- **FastAPI for AI, RAG API -** https://github.com/kocicjelena/rag-fastapi

Core Skills

- Next.js, Python, AI, ML, and Data Engineering
- AI development, and AI-powered product features, apps and software,
- Prompt engineering, AI coding agents, automation platforms, and AI-powered workflows
- Advanced practices across cloud infrastructure (AWS, Google Cloud),
- DevOps, MLOps, AIOps, security, and data engineering, RAG, MCP architecture and agentic system s and MCP integrations,
- API building and integration, REST, end-to-end full stack development and
- SEO optimization, browser extensions, App Scripts,
- SDK, CDK, SaaS, PaaS, SaaS, IaaC, PoC
- Hybrid deployment, Cloud and containerization, scripting
- Administration and development,pipeline development and tools, automated publishing, snap and Docker
- web3, crypto, security constraints
- TCP/IP, DNS, HTTP/HTTPS, SSL/TLS, VPN,
- System Architecture, Engineering Management,
- Analysis of requirements and differentiation of software solutions,

Education

• B.Sc. Electronic Engineering – University of Niš, Serbia

• Master Certificate in Insurance & Risk Management MIB School of Management, Trieste, Italy

COURSES:

Management of Technologies and Entrepreneurship course Faculty of Management,

Koper (Slovenia), management and business and related techniques

Blockchain for Business - An Introduction to Hyperledger Technologies

https://courses.edx.org/certificates/18658f8e0e314c2e887faff5153a9859

Blockchain: Understanding Its Uses and Implications

https://courses.edx.org/certificates/c4ceec9dc38347eb923be4a7fb808cfd

Specialisation Go:
https://coursera.org/share/8b06d072a1916dd183e2e841b45c6b03https://sites.google.com/view/jelenakocic/resume

Languages: English – Fluent, Italian – B2, Serbian – Native

EXPERIENCE

ZC Aleksinac – Network Engineer – Serbia 2024 – Present

Teacher, part-time 2022 – 2024

Codefacto – Full Stack Developer – UK (Remote) 2022

● Built training applications using AWS SDK/CDK.

● Developed scalable cloud-native solutions with strong security considerations.

Homesourcing – Full Stack Developer – Norway (Remote) 2020

● Developed serverless architectures in Node.js and Python.

● Built REST APIs and integrated PostgreSQL databases.

Bliss Vista – Full Stack Developer – Dubai (Remote) 2020

● Backend and frontend development using MERN stack.

● Delivered responsive, user-focused applications.

Allied Testing – QA Integration Engineer – [Location] 2021

● Led RDB quality assurance and automated regression testing.

● Validated integration processes to ensure release readiness.

Olympus Marine Group – Web Developer – [Remote] 2020

● Enhanced UI features using Cesium, WebGL, and D3.js.

● Improved web performance and visualization capabilities.

RedBurst – Application Developer – 2016

● Developed GSM tracking solutions with Google Maps integration.

IMRepublic – Application Developer – Belgrade 2015

● Built analytics-driven web services and applications.

Net Effect d.o.o. – Web Developer – Serbia 2013

● API development for visual representation and feature-driven web applications.

Miadria – Google Search Appliance Consultant – Belgrade 2012 – 2013

● Provided enterprise search maintenance and support.

Seavus – Junior Developer – Niš, 2008 – 2010

● Developed telecom billing system web applications.

GAS&TEL – Lead Engineer – Serbia, 2005 – 2007

● Managed telecommunications projects and engineering teams.

Dexon d.o.o. – Founder & Owner – Niš, 1993 – 2003

● Established a successful company.

Freelance – remote

● Vue REST API in JavaScript (ES6) - Homesourcing, Norway

● React backend and frontend development- Bliss Vista (MERN)https://sites.google.com/view/jelenakocic/resume

● Sevelopment of serverless architecture in node and python, transformations Oracle

DB to Athena, optimisation for enterprise software (Amazon Athena, py spark,

Redshift) - Databar,

● Web features development and improvement, UI (cesium, webGL d3) - Olympus

marine group

● Editable slides, slides API, Google slides development in npm environment,

● Java web project with servlets, Mongo DB, Europos,

● Web development pure - css3, JavaScript, HTML5,

● API development for visual representation - features driven development (JS 5&6,

Angular, d3.js, JQuery) - Net Effect d.o.o, via Elance - BlackMirror,

● Web & Mobile development - API, Data scraping, Google Apps API, Angular, Jquery,

Bootstrap,

● Coupon Website - HTML5, bootstrapping, mobile, Jquery - Carrickfergus, Antrim, UK,

● D3 bubble chart, D3.js data stream - Elecyr Corporation,

● Achieving Google search result - schema.org, tags, SEO

● Analytics platform in python - Cerrid Solutions, India, Bangalore, Karnataka

● AJAX, JavaScript, JSON, d3.js, Node.js, Angular.js, Html5, CSS3, Bootstrap, vpn,

● Module developing for odoo - Vagrant, Docker,openerp, python and postgres,

● Web development: HTML5, jquery-mobile, web storage, node - Agency Stojanovic, Nis

SKILLS

Programming languages: Python, Node.js, Java, Bash, C/C++, Go,
frameworks legacy: NextJS, React, Vue, FastAPI, web3, Angular, Flask, Django etc.
Cloud: AWS (EC2, ECS, Lambda, S3, Route53, IAM, Dynamo, SES, etc.), Google Google Workspace (Docs, Sheets, App Script, chrome extension, GWT), Azure, Vercel, and on-premises infrastructure, including physical servers, networking, storage systems and related hardware, **Security:** Auth, identity and access management, security, and compliance frameworks (e.g.,GDPR), IAM, endpoint security, API, SDK and CDK
data: Data handling, collecting, cleaning, structuring, and analyzing large, complex data sets, SQL and NoSQL (Oracle, MySQL, PostgreSQL, MongoDB, DynamoDB, SQLite,BigQuery, Snowflake, Databricks, PySpark), **focus.** DynamoDB, Postegres, LiteSQL
QA & Automation: Design for security, automated testing, regression validation, release readiness
OS: Linux, Windows, **Virtualization:** Docker, Vagrant, AWS, Bitnami, Google, vpn scripted,
Version Control: cvs, svn, git, Mercurial, Attlasian, Jira, Gitlab
Methodologies: CI/CD, Agile, Scrum and features driven development
Build tools legacy: python distribution and packaging, Grunt, Node, Bower, gulp, npm, SDK,
Android SDK, Maven, Gradle, webpack, gwt, vpn scripted
Deployment Servers legacy: Apache, TomCat, NGINX, NodeJS, Docker, AWS,
Google, Azure, Development, Spring, JMS Java EE 1.5,npm, webpack, grunt
office: Microsoft Office (Word, Excel, Power Point), Adobe, Corel Draw, AutoCAD,