

Zoran Repić

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Education

Faculty of Technical Sciences

B.Sc. Software Engineering and Information Technologies.

Novi Sad, Serbia

2023 – exp. 2027

Grammar School Jovan Jovanović Zmaj

Talented Students in Informatics Grammar School

Diploma Vuk Stefanović Karadžić

Novi Sad, Serbia

2019 – 2023

Experience

[Genairate Technologies](#)

Fullstack Engineer

Remote

Jun. 2025 – Present

- Developed agentic services, including data preprocessing, extraction, ingestion, and hybrid retrieval with re-ranking.
- Worked with cloud infrastructure on AWS and Azure for backend services and scalable pipelines.
- Optimized prompts for in - context extraction processes.

[Nimbus Tech](#)

Part-Time AI Engineer

Novi Sad, Serbia

August 2025

- Developed a RAG-based chatbot for domain-specific Q&A using a predefined knowledge base.
- Implemented semantic chunking, embeddings, and retrieval pipelines to ensure accurate, context-aware responses.
- Leveraged cloud services for scalable storage and retrieval.

Projects

- **Key-Value Search Engine ([NoSQL - Engina](#))** - Contributed to a high-performance key-value search engine focusing on SSTable structure, block management, read/write paths, and LRU caching.
- **Travelling Salesman Problem – Genetic Algorithm** - Contributed to a TSP solver using genetic algorithms, optimizing convergence and performance with custom crossover, mutation, and selection strategies.
- **Python-based PDF Search Engine** - Built a search engine using PageRank for document ranking, supporting AND / OR / NOT queries.
- **Data Scraping and Mailing Application** - Python tool for scraping company data and automating email workflows in a collaborative environment.
- **React.js Websites with Firebase Integration** - Full-stack web applications with real-time database synchronization using Firebase.
- **Checkers Game with AI Opponent** - Python implementation featuring Minimax with alpha-beta pruning, heuristic evaluation, transposition tables, and Zobrist hashing.

Skills

Technical Areas: Software Architecture, Data Structures and Algorithms, Backend Systems, Full-stack Web Development, Probabilistic Data Structures

Core Expertise: Retrieval-Augmented Generation (RAG, Data Engineering), Backend Pipelines

Programming Languages: Python, JavaScript, Java, C++, Go

Tools, Cloud & DB: Docker, Git, MySQL, MongoDB, AWS, Azure

Languages: English – Fluent