

LAZAR ZDRAVKOSKI

FULLSTACK SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Software engineer with 5+ years of experience building API-first platforms, serverless architectures, and dynamic full-stack applications. Strong background in developing secure Python RESTful services using Django and Flask, coupled with modern frontend implementation using React, Vue.js, Nuxt, and JavaScript. Experienced in designing robust data validation pipelines, implementing atomic transactions, and managing cloud-native workflows on AWS (Lambda, S3, Batch) for high-volume systems.

EXPERIENCE

Full-Stack Developer | Pinpoint Homes

Nov 2025 - Present

- Developed full-stack features for a comprehensive real estate platform (pinpoint.homes), bridging Python backend services with a modern frontend architecture.
- Built dynamic map search, complex filtering, and property listing interfaces utilizing Vue.js and Nuxt to deliver a responsive user experience.
- Engineered and optimized backend API endpoints to efficiently serve property data and manage complex search queries from the Vue/Nuxt frontend.

Full-Stack Developer | Bonsay Tech (contract based)

Jul 2025 - Apr 2026

- Architected and developed dynamic frontend interfaces for IoT management dashboards using React, integrating RESTful APIs to display real-time device telemetry.
- Implemented UI components and templates for custom NetBox plugins utilizing Jinja2, HTML, CSS, and JavaScript to extend customer workflows.
- Built backend services for the IoT + AI device platform (Django, DRF, PostgreSQL), focusing on reliable hardware communication and operational stability.

Python Django Backend Developer | Product DNA

Feb 2024 - Jul 2025

- Developed and maintained backend features for a SaaS supply-chain transparency platform using Django REST Framework.
- Built RESTful endpoints with Django ORM, serializers, permissions, and input validation to ensure highly secure and reliable APIs.
- Applied atomic transactions to prevent partial updates during multi-step database operations, ensuring data integrity.
- Implemented automated API tests with pytest, maintaining >95% test coverage for critical modules.
- Delivered a QR-code feature enabling product traceability to published supply-chain information.
- Supported CI/CD improvements by collaborating on Kubernetes-based pipeline work.

Python Flask Backend Developer | Pixyle AI

Feb 2023 - Jan 2024

- Developed an API-first platform to expose AI models for automated clothing-tag generation.
- Implemented Flask endpoints with robust request/response validation using Pydantic, critical for preventing abuse and malformed data entry.
- Built and maintained automated tests using pytest to ensure API correctness and stability.
- Designed a PostgreSQL dataset worker mechanism using row-level locking to prevent overlapping jobs across workers.

Python Backend Developer | Sample Solutions BV, Skopje, MK

Apr 2021 - Feb 2023

- Built serverless backend modules for scalable email automation (warming and campaigns) using AWS Lambda, providing direct experience with email delivery infrastructure.
- Implemented orchestration and scheduling using AWS Step Functions and supporting scripts with multithreading.
- Worked with AWS S3 for storage and AWS Batch for long-running background processing workloads.
- Containerized services with Docker and published images to AWS ECR as part of CI/CD workflows.

- Automated Excel-based operational workflows using Python scripts to reduce repetitive manual work.
- Built web-scraping utilities to support reporting and data extraction requirements.

SKILLS & TECHNOLOGIES

LANGUAGES & FRONTEND

Python

React

Vue.js

Nuxt

JavaScript

HTML/CSS

Jinja2

BACKEND & FRAMEWORKS

Django

Django REST Framework (DRF)

Flask

REST APIs

ORM

DATABASES & CLOUD ARCHITECTURE

PostgreSQL

MySQL

AWS (Lambda, S3, Batch)

Docker

TESTING & SECURITY VALIDATION

pytest

Pydantic validation

Atomic Transactions

Row-level locking

EDUCATION

B.S., Computer Science
South East European University, Tetovo (2015 - 2018)

CERTIFICATIONS & INTERESTS

Introduction to Programming Using Python - SEMOS
Raspberry Pi tinkering, Chess, Basketball