

Natalia Plishkina

Web Developer

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Summary

A web developer with three years of experience in Python and Django seeking to reenter the tech industry after a career break. Maintained programming skills up-to-date by completing a coding bootcamp, online courses by IBM, and building portfolio projects. Green Card holder.

Skills

Primary expertise: Python, Django Web framework, Django REST framework, Flask, Git, PostgreSQL, SQL
Basic proficiency: JavaScript, React, HTML, CSS, Docker, AWS

Education

AWS Certified Cloud Practitioner - Certificate, 8/2024

IBM Front-End Developer by IBM on Coursera - Certificate, 5/2024

Nucamp Coding Bootcamp - Backend, SQL, and DevOps with Python, 3/2022

Perm State University, Russia – Bachelor in Mechanics, 2002-2007

Portfolio Projects

Dictionaries aggregator, <https://dict.nvp85.net/home>, https://github.com/nvp85/dicts_aggregator

A web application that provides a unified interface for word lookup across multiple online dictionaries, using their APIs. Crafted with Django and powered by PostgreSQL.

IBM front-end development capstone project, <https://github.com/nvp85/ibm-final-project>

A medical appointment booking website made with React and React Router.

Schedule, <https://github.com/nvp85/schedule>

A web application built with Django for creating and managing a daily schedule. Also allows a user to generate an invitation link with a UUID for other people so they can book an event (like a call or a meeting) with the user within time slots, the user set in their profile. The site takes into consideration time zone differences.

Fitness tracker, https://github.com/nvp85/fit_app

A bootcamp learning project built with Flask, SQLAlchemy, Alembic and PostgreSQL. It's a RESTful fitness web application with endpoints for managing user data, food nutrients, exercises, and tracking daily activities and calorie intake.

Appointment manager, https://github.com/nvp85/vet_appointment_manager

A simplified appointment manager API for an imaginary veterinary clinic, built with Django REST framework and PostgreSQL. Its functionality allows to store and manipulate basic information about the clinic staff, clients, pets, as well as book or cancel appointments.

Professional Experience

Alfacom LLC (Internet service provider), Veliky Novgorod, Russia

Software engineer, Aug 2011 - Jul 2014

- Maintained the company's web portal (for users and staff) built with Django: implemented new features and fixed bugs.
- Created a web interface for the staff to remotely update users' access points' firmware, using Redis for communication between the web page and the update script; and Paramiko to run the update commands over SSH.
- Created a white-label version of the company web portal which was sublicensed to a different ISP.
- Wrote scripts in Python (for example, for loyalty rewards distribution to users) and scheduled them with cron.
- Configured a read-only replica of PostgreSQL server; set up and maintained database backups.
- Assisted management with analytics by writing various SQL queries.
- Participated in rebuilding the company's web portal as a SPA using Angular.js for the front-end.

Aviadvigatel JSC (an aircraft engines manufacturer), Perm, Russia

Engineer of the department of dynamics and strength, Sep 2007 - Oct 2010

- Processing results of jet turbines vibration tests, performing data analysis, and writing reliability reports.