

PAVLO

SENIOR SOFTWARE ENGINEER

PORTFOLIO

As a Software Engineer, I have over 6 years of hands-off experience in the IT industry. Passionate about achieving results and have a particular focus on Python technology. I pay close attention to detail, and I have strong communication skills that have enabled me to collaborate successfully with international teams. I have extensive knowledge of computer technology and IoT and am adept at maintaining high-load applications. Furthermore, I'm familiar with all phases of the Software Development Life Cycle (SDLC) and am experienced in using Agile methodology. Driven and results-oriented Software Engineer with a proven track record of success. Apart from expertise in Python technology, I'm also familiar with other technologies. My knowledge of computer technology and IoT is robust, and I am experienced in maintaining high-load applications. I am passionate about work and am therefore always looking for new and innovative ideas to bring to a project. Discipline and understanding of the requirements gives the possibility of achieving my goals. Attentive to details. Have good communication skills, can successfully work in an international team and I can find an approach to everyone.

SUMMARY

- Good knowledge of the basic patterns (SOLID, KISS, DRY)
- Proficient knowledge in application design.
- Languages: Python, PHP, C, Java 8, JavaScript
- Python Frameworks: Django, Flask, Fast API, aiohttp, PyQt, TensorFlow
- Python Big Data libraries: pandas, Matplotlib, NumPy, pyodbc
- Python ORM/Migration libraries: django orm, sqlalchemy, alembic, marshmallow
- Python Web/Applications Servers: gunicorn, wsgi
- Python testing: unittest, pytest, selenium
- Integration APPs: Salesforce Service Cloud/Salesforce API, Odoo, SAP/RDF, PowerBI
- Tools: Jira, Confluence, Azure, Bamboo
- Infrastructure: Docker, k8, Terraform
- Cloud Providers: AWS, GCP, Azure
- OS: Windows, Linux, macOS
- Databases: MySQL, Microsoft SQL Server, PostgreSQL, MongoDB, DynamoDB
- Version Control Systems: Git, GitLab, Bitbucket
- IDE: PyCharm, WebStorm, IntelliJ IDEA, Visual Studio Code
- Methodologies: Agile, Scrum, Kanban, Waterfall
- Other tools: Airflow, Apache Spark, Kafka

WORK EXPERIENCE

SEP-2021 - APR-2023 - EPAM Systems

At EPAM as vendor I had worked at Google Governance, Risk, and Compliance (GGRC) as Software Engineer. GGRC is an internal program that Google uses to manage its compliance with legal and regulatory requirements, as well as to ensure ethical business practices. The applications (Auditor and Manager) includes policies, procedures, and tools to help Google identify and mitigate risks and comply with applicable laws and regulations.

Customer: Google 2

Team Size: Collaborated with up to 12 team members on the project:

1 Project Manager, 1 Team lead, 8 Engineers (2 FE, 6 BE), 2 QA

Project Roles: Software Engineer (Krypton Team) Sr. Software Engineer (Venus Team)

Responsibilities:

Developing and maintaining software applications (Auditor, Manager, Sync Service)

Maintaining applications that are used by Google GGRC users (stakeholders, vendors, regular users, legals)

- Balancing and optimizing clusters
- Database optimization and reliability check
- Improving existing functionality and fixing bugs of a variety of complexity
- Working closely with cross-functional teams, such as business analysts, product managers, designers, and other engineers
- Writing efficient and high-quality code, participating in code reviews, testing and debugging
- Performing code reviews and testing

Completed goals:

- Developed Feature requests based on stakeholders design (Supporting Control, Mapping Redesign, QNNAI)
- Fixed a lot of critical bugs
- Improved RBAC permission system for user groups
- Optimized query processing/performance
- Increased code tests coverage
- Improved git commit hook message and formatting for Gerrit
- Implemented functionality for Local storage systemOptimized code base (performance and app reliability)
- Wrote documentations and TDD (Techincal Design Documentation)
- Mentoring the team and conducted architecture calls for better solutions.

JUN-2020 - NOV-2021 - Software Developer, DTEAM

Worked at out-stuff projects in healthcare, industrial automation and social media. Mainly worked paired with a team leader project. Main customer are from US and Canada

Team Size: Collaborated with up to 7 team members on the project:
1 Project Manager, 1 Team lead, 2 Engineers (2 FE, 2 BE), 1 QA

Project Roles: Software Engineer (Python), Platform Engineer (SRE)

Responsibilities:

- Distribute AWS serverless solutions (Lambdas, API Gateway)
- Writing own web renders (unicorn, wsgi)
- Commonly covering features with tests (integration, unittest)
- Integrating third party API's
- TDD, SOLID patterning solutions
- Code reviews
- Custom made ORM
- Building Jenkins pipelines
- Vulernabilities check (penetration tests) / code profiling

MAY-2020 - DEC-2020 - Software Engineer, FDNA INC

Was involved in project Gestalt Match for precision medicine, which uses AI algorithms. Main responsibility: support and build CI/CD for GM, support existed project and bug-fixing. Also distribute some new library components using condaforge to build recipes (as raw material). Complex tasks was used pytorch and tensorflow to distribute datasets for our end-solution feature.

Team Size: 1 FS, 2 BE, 2 Devops, 1 Data Science Engineer, 1 PM

Project Roles: Software Engineer, Devops Engineer

Responsibilities:

- Integrating Payment System
- Unittest coverage
- Triggering webhooks for user actions
- Sending emails according to the schedule
- Notification system
- Ads targeting
- Code reviews
- Maintain Jenkins deploy pipeline
- Distributed import module for CSV/XLS files
- Developing accountant data system

Completed goals:

- Developed functionality for internal CI/CD integration tool
- Auditing applications (measuating performance, code base quality, security etc.)
- Optimization of code base
- Written bunch scripts for infrastructure
- Gained experience in Big Data processings

DEC-2019 - MAY-2020 - Python Developer, LITSLINK

Worked with variative projects such as e-commerce, insurance, investment. Solutions made with Django REST Framework, AWS. Established projects from a scratch. Done couple of projects with full tested and maintained projects. Successfully built API's from a scratch and created complex business logic to secure project. Gained experience in legacy code optimisation which used old python libraries and extensions.

Team Size: Standalone

Project Roles: Software Developer (Python)

Responsibilities:

- Developing RESTFUL API's
- Working with Vue.js framework
- Developing CBS style code
- Working with queues and caching (kafka, redis)
- Elasticsearch implementation as database

Completed goals:

- Implementing monitoring systems.
- Implemented mobile multi-purpose notification integration service.
- Bugfixing with challenges.
- Worked with queues and tasks jobs.

OCT-2018 - DEC-2019 - Software Developer, TRAFFIC LABEL

Have been enrolled in a team as PHP Developer. Worked in advertisement project in a small but very ambitious team. Communication and requirements came directly from the client. During the work on the project our team created a platform to accumulate traffic and dashboard to control and measure it. Some devops activities also were present due highload systems that use consumable resources, and In fact have faced different challenges.

Team Size: 1 Teamlead, 2 BE, 1 FE, 1 QA

Project Roles: Software Developer (Python)

Responsibilities:

- Integrating Toffee system to client billing interface
- Provide documentation
- Poiting aggrigating data from client microservices
- Optimize queries
- Penetration testing (Volunerbility monitoring)
- Bash scripting
- Support high loaded system via vSphere and Jenkins

Completed goals:

- Developed a brand-new website from a scratch.
- Proposed novatioanal approach for application scaling.
- Hard testing (probation, simulating random attacks).
- Conducted reliability and security optimizations.

- Maintained and supported availability for a Toffee application.

MAR-2016 - SEP-2018 - Software Developer, MWDN

MWDN company distributing e-commerce solutions for media and product businesses. Main responsibility to develop and adopt buying platforms and blogs. Commonly built with CMS such as Wordpress, OpenCart, Magento etc.

Team Size: Standalone

Project Roles: Software Developer (PHP)

Responsibilities:

- Developing responsive e-commerce solutions for client
- Developing plugins for Wordpress Engine
- Support and bug fixing critical issues

Completed goals:

- Supporting and developing feature requests for client-side sties (Sparta, Maison projects)
- Hosting support (troubleshootings).
- Bugfixing and developing e-commerce business features (payment integrations, ads targeting).

OCT-2015 - NOV-2019 - Freelance

Worked on platforms such as UpWork, Fiverr and other freelance platforms to complete different tasks from clients. Once worked as outsource employee in insurance company. Developed over 20 websites from scratch on different CMS. From 2018 start work as a Python Developer and shift from PHP technology. From freelancing I've received invaluable experience that gives me big approach came proficient Software Developer

Team Size: Standalone

Project Roles: Full-stack Developer (Python, PHP, JS)

Responsibilities:

- Complete different tasks from clients, commonly implementing new functionality to web applications / websites.
- Bug Fixes and urgent patches
- Restful API's
- Integrating third party apps
- Developing PoC from client side
- Supporting compound infrastructures
- UI design and styling

Completed goals:

- Developed bunch of sites from a scratch.
- Developed RESTFUL applications for mobile.
- Maintained and worked on old code base applications (legacy support).
- Made basic mockups for SPA sites.
- Gained invaluable experience for future carrier ladder.

EDUCATION

Master's Degree in Automation Engineering, Polytechnic University of Bucharest

TRAININGS

- Hillel IT School - Java Core 9
- EAC English School - B2 Level
- Udemy Web BootCamp course
- Coursera - Architecture of web applications
- LinkedIn - Python: Programming Efficiently, Faster Python, Asynchronous Python

CERTIFICATES

- LABA Digital Marketing
- Hillel Java Enterprise graduation certificate
- Cyberbionic Systematics - Python Developer graduation certificate
- Edx - CS50 Harvard