

Experience

Freelance, Software Engineer

Remote, Macedonia, Apr 2019 - Present

- Led the data team in developing a HAZMAT product management platform, automating a process that reduced human effort from one year to two weeks. Designed and provisioned scraping infrastructure and ETL data pipeline, empowering junior developers to add supplier data in less than a day. The platform encompasses data engineering, inter-company automation, data synchronization, fast API connectivity, and regulatory integration.
- Played a key role in enhancing an innovative hiring platform by implementing code-refactoring, reducing reliance on third-party vendors, and enabling the automated white-labeling of the product.
- Headed data-journey and integrations for a prominent VC-backed employer background-checking service, overseeing operations in the USA, Europe, Southeast Asia, and Australian markets. Ensured strict adherence to regulatory compliance and data management policies while actively mentoring younger team members.
- **Technologies used:** Python, Django/DRF, PostgreSQL, Scrapy, Celery, RabbitMQ, Elasticsearch, Azure, AWS, DataDog etc.

Keitaro, Software Engineer

Remote / Hybrid, Apr 2017 - Apr 2019

- Played a pivotal role in the full-stack implementation of CKAN solutions, including the critical migration from Python 2 to 3 as well as Pylons to Flask migrations, thereby enabling CKAN to remain as the preferred open data standard platform for the customer pool of prominent governments, institutions, and organizations.
- Significantly contributed in the development of a sophisticated cloud-native multi-tenant SaaS for CKAN, focusing on automation to revolutionize provisioning and deployment processes. Successfully reduced the time required for these tasks from ± 20 minutes to an impressive under 14 seconds, as well as mentoring younger team members.
- **Technologies used:** Python, CKAN (Pylons/Flask), JavaScript, PostgreSQL, Celery, Redis, Docker, Golang, goa.design, Microkubes, Kubernetes, Zookeeper, Apache Solr, Prometheus, Grafana, Linux, etc. .

Intelli Solutions, Software Engineer

Remote / Hybrid, Jul 2016 - Apr 2017

- Played a role in the architecture, design, and implementation of a dynamic eBay-style application. Managed end-to-end responsibilities, including server provisioning, hardening, security, and the establishment of a robust deployment pipeline, showcasing proficiency in DevOps practices.
- **Technologies used:** Python, Django, Apache Solr, Bash, Fabric, Linux, Git, etc.

Rasdaman GmbH, Software Engineer Intern

Remote, Germany, Jan - Jun 2016

- Innovatively created a custom query language for testing rasql, an n-dimensional array data SQL superset standard. Successfully replaced outdated bash integration tests, contributing to a more modern and efficient testing framework.
- **Technologies used:** Python, pytest, bash, Linux, PostgreSQL

Personal Portfolio

Dinglist, Music Recommender System

2015

- Applied data science methodologies to develop a versatile music recommender system, utilizing techniques such as k-means clustering and advanced rating algorithms. Designed the system with the flexibility to be generalized for diverse recommendation applications, showcasing a proficiency in algorithmic and analytical approaches.

Malloc Implementation, C Library

2014

- Implementation of C memory allocation functions `malloc()`, `free()`, and `realloc()`.
- Designed and tested a segmented explicit free-list which allocates using an approximate power-of-two best-fit search.

Education

Goce Delchev University, BSc. in Computer Science [graduation pending]

Macedonia, 2013 - 2017

- **Relevant Coursework:** Distributed Systems, Computer Organization, Advanced Algorithm Design
- **Relevant Experience:** Established and orchestrated the now traditional university hackathon. Demonstrated technical leadership as a mentor, fostering a collaborative and innovative environment. Contributed expertise on the judge panel, ensuring a fair and insightful evaluation process. Successfully secured sponsors, facilitating the presentation of awards, a testament to the sustained success of the event post my university departure.
- Conceptualized, designed, and implemented a student-centric web application facilitating anonymous rating, evaluation, and feedback for professors, enhancing transparency and engagement in assessing their performance.