

Nurullah Macun

Personal Blog | Github | LinkedIn
 nurullah201@gmail.com | +90 545 247 09 63 | Ankara, TURKEY

SKILLS

PROGRAMMING LANGUAGES

- Python • JavaScript • C++ • C
- PHP • SQL

OPERATING SYSTEMS

- Linux (Arch, Debian, CentOS)
- Windows • Android • MacOS

TOOLS & PRACTICES & FRAMEWORKS

- Django • DRF • Vue.js • React.js
- Laravel • Vim • Git • PyCharm
- PHPStorm • Redis • Docker
- Celery • RabbitMQ • Microservices
- Google Cloud Platform
- Google App Engine

SOFT SKILLS

Strong analytical thinking
 Quick learner
 Avid learner

INTERESTS

Cyber/Network Security
 Web Development
 Competitive Programming

COURSES

Data Structures
 Software Development with Scripting Languages
 Cloud Computing

LANGUAGES

Turkish (Native Language)
 English (Professional Working Proficiency)

EDUCATION

MIDDLE EAST TECHNICAL UNIVERSITY

BS IN COMPUTER SCIENCE, Sep 2014 - June 2019 | Ankara

EXPERIENCE

IGNITIA | FULL-STACK DEVELOPER, March 2023 – Present | Remote

- Contributing in a microservices architecture using Flask and FastAPI frameworks.
- Leading the migration of services from local databases to a Scientific Data Warehouse (SDWH).
- Implemented a secure API token solution using JWT for B2B API services.
- Dockerized multiple services previously managed by Supervisor for improved scalability and deployment.
- Successfully resolved various issues related to Celery, including the migration of the Celery broker from Redis to RabbitMQ. Additionally, optimized and updated Celery configurations to prevent deadlocks and task pile-ups.
- Utilized PostGIS data to retrieve and process weather forecast data from the SDWH.

TOPTAL | FULL-STACK DEVELOPER, Nov 2020 - January 2023 | Remote

Valence Community | Los Angeles, CA - Full Stack Developer, Nov 2020 - January 2023

- Decreased deployment time on Google App Engine (GAE) from approximately 10 minutes to about 5 minutes on Google Cloud Platform.
- Optimized several queries using advanced Django ORM features such as prefetch, select, and dynamic programming, resulting in a nearly 90% reduction in loading times.
- Resolved existing bugs in the messaging system, both in the Django backend and the React.js frontend.
- Implemented SAML SSO authorization on Django as an identity provider for seamless integration with 3rd party service providers.
- Solved complex synchronization issues in the notification system, ensuring accurate and timely notifications.

NART INFORMATICS | SOFTWARE ENGINEER, Jan 2018 – Aug 2020 | Ankara

- Contributed to the backend development of a Django project using a company-derived framework.
- Implemented a version control system within Django to track changes in a single file, leveraging Linux programs like patch.
- Utilized Django's memcache system to store row counts on large tables, resulting in a significant decrease in page load time from 2-3 minutes to 1-2 seconds after the initial load.
- Used Scrapy to crawl various websites, including Google, to collect scholarly and article data and calculate relevant metrics.
- Led the development of a new project from beginning to completion as a full stack developer, utilizing Django Rest Framework and React.js, and establishing a Docker environment.

PROJECTS

ANONYMOUS CHAT APP | SIDE PROJECT, Aug 2020 - Nov 2020

- Implemented an anonymous chat app using Next.js on the backend and Vue.js on the frontend to learn Node.js and web sockets. Used Vercel and Heroku to create an automatic CI/CD pipeline.

GOOGLE SHEETS CLONE | TERM PROJECT, Sep 2017 - Jan 2018

- Implemented a Google Sheets-like website for the Scripting Languages course, which uses sockets for network communication and has concurrent collaborative editing.