Bayram **KAYA**

SOFTWARE ENGINEER

☐ (+541) 249-99-29 | ✉ byrmkaya97@gmail.com | ⌨ ByK95 | in bayram-kaya

Edu**cation**

Akdeniz University
Antalya, Turkey

BACHELOR IN ELECTRICAL AND ELECTRONIC ENGINEERING
Sep. 2014 - 2019

- **Programming Coursework:** Computer Networks, Algorithms & Data Structures, Computer Vision, Operating Systems
- **EE Coursework:** Circuits, Embedded Systems, Power Electronics, Communication Theory, Signal Processing, Industrial Control Systems

Wor**k Experience**

Akinon
Antalya, Turkey

BACKEND DEVELOPER
Oct. 2020 - Present

- Developed third party and internal integrations.
- Migrated multiple ERP service integrations of a web application to new services with zero downtime by using TDD principles and increasing unit test count by 80% which gets over a thousand orders daily and has monthly revenue of around 18 million TRY.
- Solved memory problem where duplicate tasks would overload workers by implementing a Celery task extension where each task on the queue has to be unique. Which reduced overall memory usage of the webserver and increased performance.
- Monitored web application and tracked bugs using Sentry and CloudWatch.
- Developed intermediary testing components that ease testing and increase productivity.
- Deployed multiple products into a production environment using Jenkins.
- Helped the company's recruitment process by taking part in technical interviews.
- **Leveraged knowledge** in Python, Django, Django Rest Framework, Celery, ElasticSearch, Redis, Aws, Postgresql, Git

Omega Otomasyon
Antalya, Turkey

SOFTWARE ENGINEER
Jul. 2019 - Oct. 2020

- Designed "www.omegaotomasyon.com" website, implemented mailing list, and activity tracking.
- Refactored Android App reduced code base by %67 by abstraction and interfaces while increasing functionality with app auto-updater, improved code coverage by 8%, solved memory leak problems caused by an unregistered intent receiver.
- Implemented Ci/Cd pipelines for development, production, automatic apk generation, and deployment to multiple endpoints using Github Actions.
- Migrated ATmega328P software into Stm8s003 microcontroller, designed PCB board, implemented EIA compliant Modbus-485 interface, and non-blocking communication firmware.
- Implemented TCP-Modbus into Modbus-485 converter service and remote accessibility for Debian RaspberryPi
- **Leveraged knowledge** in Git, ST7 microcontroller architecture programmed in C using SDCC, Android development with Java using Android Studio IDE tested with JUnit and Mockito, System Administration with Bash, Python and Cpython

RSK Otomasyon
Antalya, Turkey

SOFTWARE DEVELOPER, INTERN
Jun - Jul. 2018

- Developed e-mail notification device which stores data in persistent storage, communicates over USB and WiFi using the NodeMcu development board.
- Implemented cron job scheduler and task runner, integrated RTC module into NodeMcu.
- Designed HTML e-mail template and implemented template builder on the fly which increased available data storage size by %20.
- **Leveraged knowledge** in C using Arduino IDE, and debugged with Arduino IDE over Serial, Socket (IP/TCP) Programing, HTML and CSS, Git

Ana Milling
Antalya, Turkiye

SOFTWARE DEVELOPER, INTERN
Aug - Sep. 2017

- Migrated SIMATIC WinCC program into C#. Designed GUI with Material Design. Implemented configuration export/import functionality as JSON.
- Created scripts and command-line programs for managing MySQL database.
- Implemented real-time plotting using open source library LiveCharts.
- **Leveraged knowledge** in C# using Visual Studio, JSON, MySQL, Git

Pro**jects**

PERSONAL WEBSITE
bayram-kaya.com

- Designed a responsive personal web page utilizing reusable and styled-components.
- **Utilized:** Node.js, Gatsby, React, Webpack, Babel, Fontawesome, Html, Css

BOOKMARK *Source*

- Developed a serverless web application using Python and Selenium that stores the last opened page and tracks reading progress.
- Implemented JavaScript into Python mapping with JavaScript injection into the browser.
- Incorporated persistent data storage for archiving tracking info and document locations.
- **Utilized:** Git, Python, Selenium, Jinja, JavaScript, Sqlite3

CROWLEY *Source*   *Demo*

- Developed web application crawls data over the web and manages storage for users automatically.
- Separated crawling from web services which resulted in containerized application.
- Designed dark and light CSS themes.
- **Utilized:** Heroku, Python, Flask, Jinja2, PostgreSQL, JavaScript, Html, Css, JQuery, Bootstrap

GRADUATION PROJECT ▶ *Go to Slideshow*

- Designed B2C web application for 3D printer owners and consumers who is in need of a printing service.
- Integrated 3th party software Slic3r into web service which enabled converting 3D models into G-code on the fly.
- Implemented automatic price calculation, producer profiles, ratings, comments, sorting by location, speed and price, also ability to distribute multiple parts over many producers and real-time order tracking.
- **Utilized:** Django, Python, Jinja2, JavaScript, Html, Css, JQuery, Bootstrap, AJAX

Skills

Programming	Python, Javascript, C, Java, Bash, SQL, Git
Web	Django, Express, Vue.js, HTML5, JavaScript, Css, jQuery, Bootstrap, Flask
Languages	English, Turkish, Russian

MOOCs

edX

- Compilers (Stanford Online)
- CS50 (Harvard University)
- Deep Learning with Tensorflow (IBM)
- Introduction to Computer Science and Programming Using Python (MITx)
- Programming for the Web with JavaScript (PennX)
- Computer Science Essentials for Software Development (PennX)