

ESAMELDIN BASHIR

Software Engineer

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Istanbul, TR

SUMMARY

Highly motivated Computer Engineering student passionate about building full-stack applications and mobile apps. Proven experience leveraging programming languages like Java, Kotlin, C# and Python to develop innovative solutions. Particularly interested in data-driven development and cloud technologies. Seeking an internship to contribute to a dynamic team and gain practical experience in Agile and DevOps methodologies.

EXPERIENCE

Data Science Intern

Hinda Smart City Technologies 10/2022 - 01/2023 Istanbul, TR

- Successfully transformed 120GB of raw data from diverse sources (Excel, Access, SQL, .txt, .dbf, .gdb) into a centralized, searchable Elasticsearch database for a large-scale data transformation project.
- Developed and implemented automated data extraction, cleaning, transformation, and integration processes, improving data accuracy and accessibility for analysis.
- Utilized Logstash for efficient data pipeline management, ensuring seamless data flow and transformation for ingestion into Elasticsearch.
- Collaborated with team members and clients to define data processing requirements, ensuring the final database met specific project needs and standards.
- Introduced new specialized tools for managing and analyzing large datasets, significantly enhancing the team's workflow efficiency and analytical capabilities.
- Recovered and processed inaccessible legacy datasets, extracting critical information from various formats, enabling the team to leverage previously unavailable data.

Software Engineering Intern

Sudatel Telecommunication 08/2022 - 08/2022 Khartoum, SD

- Gained valuable experience working within an agile IoT software development team at a leading telecommunications company.
- Developed a strong understanding of software tools and techniques used to manage user data, including subscriber information, SIM card details, service subscriptions, and online platform functionalities.
- Contributed to discussions on system design, implementation, and maintenance, gaining insights into the challenges and considerations for building scalable and secure IoT solutions.

PROJECTS

Name	Description
Yemek Calendar	A user-friendly Android food menu application built with Jetpack Compose. Features offline access, real-time updates via Firebase, calendar integration, user accounts, and multilingual support.
Video App	A full-stack P2P video calling app for web and Android, enabling browser-to-browser, phone-to-phone, and cross-platform communication.
Shopping Cart	A simple responsive and dynamic website with CRUD operations and Identity verification made with ASP.NET Core MVC. You can choose from many database-stored products to add to your cart, or you can login to an admin account to add/edit/delete products.
Terrain Generator	A procedural 3D terrain generator, meant as a computer graphics course project. It aims to demonstrate concepts such as perspective, textures, and lightning.
Sosyal-Medya	A Full-Stack Facebook-like social media project that has functions such as adding/deleting friends, text/photo sharing and messaging. Built using an MVC architectural pattern.
Breakout-Retro (Team Project)	A classic Arachnoid game built from scratch using C language and Raylib Library. With four screens and a simple one-file database to save local results. Built the frontend and backend part of the database as well as the credit screen.

EDUCATION

B.S. in Computer Engineering

Marmara University

10/2019 - Present Istanbul, TR

LANGUAGES

Arabic	Native	<div><div style="width: 100%;"></div></div>
English	Proficient	<div><div style="width: 90%;"></div></div>
Turkish	Proficient	<div><div style="width: 90%;"></div></div>

SKILLS

Programming Languages

Java	Kotlin	Python	C
Dart	C#		

Frameworks & Libraries

Flutter	Jetpack Compose	Processing
Raylib	JavaFX	

Tools

Git	Firebase	GCloud	SQL Server
Elasticsearch	Docker	Android Studio	

CERTIFICATES

3rd Model Satellite CANSAT Workshop Program | ICESCO

For the participation in assembling, building, and launching of a CANSAT model satellite as part of an international team of students and experts.

BK UBO 2019 | Bahçeşehir Koleji

For the participation of Bahçeşehir College 's2019 National Computer Olympiad.

NDG Linux Unhatched | NDG

For successfully completing the NDG Linux Unhatched course.