Ahmetcan Aksu
SOFTWARE DEVELOPER

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WORK HISTORY

Backend Developer
Fonmap Financial Technologies
19.02.2024 - Present

- Led key backend and frontend development initiatives through the entire project lifecycle, from pre-production to a successful go-live on a leading digital investment platform in Turkey.
- Migrated core systems to TypeScript, significantly improving code maintainability, security, and overall system performance.
- Engineered the backend infrastructure for TEFAS integration, enabling seamless and reliable data communication.
- Played a pivotal role in digitizing Venture Capital Investment Fund (VCIF) and Real Estate Investment Fund (REIF) processes, ensuring strict adherence to regulatory standards.
- Contributed to the migration of the backend architecture to a modern stack using C# and Entity Framework Core.
- Developed and maintained solutions utilizing a broad tech stack, including Node.js, React, Redux, MSSQL, Redis, Elasticsearch, MinIO, and Puppeteer.

Full Stack Developer
Qpien
15.08.2022 - 01.02.2024

- Contributed to frontend and backend development of Qpien, an all-in-one e-commerce platform featuring real-time messaging and third-party integrations with Instagram, Trendyol, and Shopify.
- Engineered scalable, high-throughput systems capable of processing 100,000+ messages per hour using asynchronous and parallel programming techniques.
- Designed and implemented real-time communication layers leveraging WebSockets and RabbitMQ to enhance system performance and reliability.
- Developed responsive frontend interfaces using React and TypeScript.
- Built robust backend APIs with Node.js and GraphQL.
- Managed messaging infrastructure and caching using WebSockets, RabbitMQ, and Redis.
- Worked with MongoDB for NoSQL database management.

Key Technologies: React, TypeScript, Node.js, GraphQL, WebSockets, RabbitMQ, Redis, MongoDB

SUMMARY

I have 8+ years of experience in software development, including 3 years in full-time roles, 2 years freelancing, and ongoing personal projects. I've developed modern web apps using JavaScript, TypeScript, React, and Apollo, and built backend services with NodeJS, Deno, REST, GraphQL, and WebSockets.

My experience includes desktop apps (Electron, Rust), mobile apps (Flutter), and embedded systems (Rust on ARM/ESP). I also built a custom programming language and virtual machine from scratch.

I thrive in dynamic environments, adapt quickly, and consistently focus on performance, scalability, and long-term maintainability.

LANGUAGES

- Turkish (Native)
- English - Professional C2 (EF-SET Certificate)

EDUCATION

- **Management Information Systems**
  Anadolu University
  2024 - Ongoing

- **Computer Programing GPA 3.53/4**
  Işık University
  Year of Graduation: 2022
  Stack: C, C++, C#, Java, JavaScript, MsSql, HTML

Full Stack Developer
Massive Energy

01.06.2021 - 15.07.2022

independently developed management panels, backend architecture, and databases. I also managed Linux-based deployment on AWS.
Stack: Node.js, JavaScript, MongoDB, HTML/CSS, AWS.

Mobile & Backend & Full Stack Developer
Freelancer

Jan 2019 - Aug 2022

- Delivered scalable, high-performance mobile and backend applications tailored to diverse client needs.
- Ensured seamless frontend-backend integration and maintainable codebases.
- Tech Stack: React, HTML, CSS, Node.js, Rust, Flutter, MongoDB, JavaScript

PROJECTS

Creator - Embedded Developer
Ellie Language

- Designed a type-safe language for embedded and sandboxed environments (WebAssembly, ARM).
- Built parser, compiler, and VM from scratch with focus on performance and type safety.
- Gained experience in memory management, stack/heap allocation, GC, and bytecode optimization.
- Focus Areas: Compiler design, embedded systems, virtual machines, low-level optimization
- github.com/behemehal/ellie-language

Fullstack Developer
utilstation.com

Your one stop shop for all tools, UtilStation provides various tools various situations, You can access every tool you need in one single app
https://utilstation.com/

CERTIFICATES

- EF-SET English Certificate C2 Upper Intermediate
- Turkish Capital Markets Association
- Mobile App Course with Google Flutter
- JS Last Test - BTK Academy
- C# Programing - BTK Academy
- NodeJS Backend Course -Patika.dev
- Advanced Frontend Web Development - Patika.dev

SKILLS

- JavaScript
- Rust
- TypeScript
- C#
- C
- Dart
- Flutter
- HTML/CSS
- React
- WebAssembly
- MsSQL
- PostgreqSQL
- Java
- Git
- TCP/UDP
- Arduino
- ESP-32/8266
- Own Language Compiler
- Own ByteCode Virtual Machine
- Docker
- Svelte

REFERENCES

- Tayfun Top
  Madame Coco
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- Eray Karaman
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