Mustafa AKAR

Software Engineer

Portfolio: akar.im
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Seattle, WA, USA

5 years of experience in SE. Combines the experience in Blockchain, DevOps, AI, product dev, and UX. Diversifies and consolidates revenue with entrepreneurial mindset, takes technical responsibility. Collaborates effectively within teams, takes active initiative.

Work Experience

Software Engineer — Kinesis Network Inc. — 05/2024 - Current
Kinesis Cloud — Seattle, WA, USA

- Co-designed the data center management suite responsible for **resource orchestration**, **auto-scaling**, **usage monitoring**, **security**, and **observability** for Kinesis' decentralized cloud infra.
- Kept stakeholders well-informed by maintaining **50+** real-time key metrics in real-time on the Kinesis Explorer website by building a block interpreter for Kinesis Protocol on **Base Network**.
- Conceived the Kinesis **SDK** for better developer experience and to promote ecosystem expansion.

Software Engineer — Time Base Six — 05/2022 - 05/2024
pocket.network & c0d3r.org — Seattle, WA, USA

- Deployed and operated over 100 blockchain nodes across 26 networks, including major platforms like **Ethereum**, **BSC**, **Polygon**, **Arbitrum**, **Avalanche**, **Base**, **Fantom**, and **Optimism**, utilizing cloud providers **AWS**, **Digital Ocean**, **Contabo**, and **OVH**.
- Managed over **12,000** virtual machines running **Pocket Network** nodes, applying security protocols, performance enhancements, and automation frameworks to streamline operations.
- Operated cryptocurrency assets valued at over **$10M**.
- **Automated** the majority of the operational tasks for the node-running business, significantly increasing productivity and reducing the need for additional hires.
- Spearheaded the development of a crypto app development platform supporting **15+** blockchains in **3** geolocations, leveraging **Solidity**, **AWS**, **Ubuntu**, **Azure DevOps**, and **Blazor**. As the company's second monetizable product, it played a pivotal role in securing angel funding for future projects.
- Created an open-source **C# SDK** for **crypto** app development, supporting **EVM** and Pocket Network

Full Stack Engineer — Test Maker — 08/2021 - 05/2022
Test Maker — Ankara, Türkiye

- Built a cloud-native multiple-choice-test typesetting app, replacing Adobe Illustrator for this use case and sold subscriptions to **50+** experts starting with Albiders'.

Founder & Technical Lead — Albiders — 08/2020 - 05/2021
Albiders — Ankara, Türkiye

- Founded EdTech startup and led cross-functional team of **17** engineers, designers, educators, and content creators while managing diverse stakeholders from investors to educational specialists.
- Managed 3 freelance engineers through **Waterfall** methodology, developing backend with **ASP.NET**, **MSSQL**, and **Azure Web App**.
- Expanded platform to mobile by developing native **Android** app with offline video playback, picture-in-picture mode, and push notifications using **Kotlin**.
- Eliminated manual test syncing (~3 minutes/test) for students by building a computer vision module using **OpenCV** and **Java** to automatically scan and grade papers via mobile camera.

- Established project management and engineering practices using **Azure DevOps** for requirements tracking, **CI/CD** pipelines, and **automated testing** despite challenges with freelancer compliance.
- Written **1200+** pages of comprehensive documentation including proposals, architecture diagrams, requirements, acceptance criteria, design docs, API specs, and deployment guides.
- Successfully negotiated and executed equity sale to partner, completing exit after strategic disagreement on product direction.

Education

- **B.Sc. Computer Science**, ID Bilkent University, Ankara   **2016 - 2021**
    - First placement in the department

Skills

- .NET (C#) | JavaScript | Python | Smart Contract (Solidity) | Blockchain (Go) | Flutter (Dart)
- Git | Docker | Linux | LLMs | CI | CD | Kubernetes | SQL | REST | gRPC | NoSQL | CUDA | Nginx
- AWS | GitHub Actions | YAML | Azure Cloud | Azure DevOps | Jira | Agile
- Leadership | Teamwork | Customer-Focus | Communication | Presentation | Problem Solving

Notable Projects

Cointribute   **03/2025 - Current**
Web & Mobile App

- Enabled any charity to receive crypto donations in **8+ currencies** for no cost by building a non-revenue, volunteer-only, fully self-custodial, UX-focused crypto donations platform. [Website]

Web3 Studio   **09/2022 - 09/2024**
C# Library

- Open-source **C# SDK** for **off-chain** app development, supporting **EVM**. [NuGet]

Bottom Nav Layout   **06/2021 - 04/2023**
Flutter Library

- Eliminated boilerplate code for **6** common navigational patterns such as destination state preservation, lazy loading, and navigation back stack by creating a package with up to **82%** popularity on pub.dev using **Dart** and **Flutter**. [[pub.dev](pub.dev)]

Languages

- English
- Turkish

Interests

- Accesibility
- Tennis
- Photography