Mustafa AKAR

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Seattle, WA, USA

Software Engineer

4 years of experience in SE. Combines the experience in Blockchain, DevOps, and product dev.
Collaborates effectively within teams and drives productivity-enhancing improvements.
Takes technical responsibility, focuses on improving profits, and negotiates for results.

Work Experience

Software Engineer	**Kinesis Network Inc.**	**05/2024 - Current**
Kinesis Network	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.
- Satisfied stakeholders by maintaining **50+** key metrics in real-time on the Kinesis Explorer website by building a block interpreter for Kinesis Protocol on **Base Network**.

Software Engineer	**Time Base Six**	**05/2022 - 05/2024**
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**, ensuring high **reliability** and adherence to best practices in **security**.
- **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

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 | Scrum
- Leadership | Teamwork | Customer-Focus | Communication | Presentation | Problem Solving

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, 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)]

Voluntary Experience

DAO Contributor   **10/2022 - 08/2024**
Pocket Network

- Active DAO member and vote holder
- Deployed an open-source network analysis tool for the benefit of the ecosystem.
- Fostered the ecosystem's growth by accelerating novice node operators, contributing to the core blockchain repo, and proposing improvement plans.

Certificates

Azure Certifications
Microsoft

- Designing Microsoft Azure Infrastructure Solutions, AZ-305, 02/2024
- Microsoft Azure Fundamentals, AZ-900, 05/2022

Software Certification and Quality Assurance
ICT Certify, 09/2020

- ISO/IEC 15504 - SPICE Certification
- ISO/IEC 15408 - Common Criteria Certification
- ISO/IEC 18045 - CEM Certification
- ISO/IEC 27001 - ISM Certification

Fundamentals of Deep Learning For Computer Vision
Nvidia, 04/2018

- Proficiency in using Nvidia's DIGITS platform to train CNNs

Languages

- English
- Turkish

Interests

- Accesibility
- Tennis
- Photography