UFUK YILDIRIM
Middle Blockchain & Smart Contract Developer

SUMMARY

- Over 2 years of expertise in blockchain development, specializing in Solidity, Rust, and smart contract security auditing across 150+ networks including Ethereum and Layer 2 chains.
- Experienced in full-stack development using TypeScript, Node.js, React.js, and cloud technologies, with strong command of testing frameworks like Hardhat, Foundry, and static analysis tools.
- Engineering background with a Bachelor's degree in Electrical Engineering and advanced training in smart contract hacking and Solidity development, emphasizing secure, scalable, and maintainable code architectures.

TECHNICAL SKILLS

Main Technical Skills	Solidity (2 yr.), Rust, Foundry (1 yr.), Hardhat (1 yr.)
Programming Languages	JavaScript, Rust, Solidity (2 yr.), TypeScript
.NET Platform	ASP.NET
JavaScript Frameworks	Express, Node.js, React
Databases & Management Systems / ORM	Liquibase, Manticore, MongoDB, SQL
UI Frameworks, Libraries, and Browsers	HTML, Tailwind CSS
Cloud Platforms, Services & Computing	AWS
Amazon Web Services	AWS CloudTrail
Google Cloud Platform	Firebase Hosting
Payment Gateways	Apple Pay
Virtualization, Containers and Orchestration	Docker
Blockchain and Decentralized Software	EVM, Foundry (1 yr.), Hardhat (1 yr.), OpenZeppelin, RainbowKit
Version Control	Git
SDK / API and Integrations	GraphQL, RESTful API
QA, Test Automation, Security	QA Automation

Methodologies, Paradigms and Patterns	TDD
Mail / Network Protocols / Data transfer	WebSockets
Other Technical Skills	Bun.sh, Echidna, Flash, Integration & Transaction Signing, MEV, Privy API, Slither, Viem.sh, Wagmi.sh, Wallets

WORK EXPERIENCE

Product Manager & Blockchain Developer - MarsChain Foundation (MarsChain Foundation Projects: ZebSwap, MarsChain Bridge, Mypher, Rocket Pad, Galactic Travel)

Duration: 03/2025 – 03/2026
Summary:

- Developed and managed multiple projects including a cross-chain bridge between Ethereum and MarsChain, a mobile app Mypher, and other DeFi and blockchain applications
- Led deployment of Mars Chain Arbitrum Orbit L2 Network on Rollup-as-a-Service platforms
- MarsChain Foundation focuses on blockchain infrastructure and decentralized finance solutions

Responsibilities:

- Built a cross-chain bridge (Ethereum ↔ MarsChain) processing over 5000 transactions with zero failure rate.
- Published Mypher mobile app to Google Play Store and App Store with all necessary licensing.
- Developed MVP to production for ZebSwap, MarsChain Bridge, Mypher, Rocket Pad, and Galactic Travel projects.
- Led deployment and management of Mars Chain Arbitrum Orbit L2 Network on RaaS platforms.

Technologies: Solidity, Blockchain, Smart Contracts, Cross-chain Bridge, Mobile App Development, Rollup-as-a-Service (RaaS)

Product Manager & Blockchain Developer - U-topia Finance (U-topia Finance Products: U-App, U-Card, U-Wallet, U-Dex, UCOIN & BNB Staking Contracts)

Duration: 05/2024 – 03/2025
Summary:

- Developed a full-stack decentralized finance product suite including a multi-feature app, crypto card, gasless wallets, and decentralized exchange functionalities on Gnosis and BSC networks
- Audited and developed auto-compounding staking contracts with significant TVL
- U-topia Finance is a DeFi platform offering integrated financial services

Responsibilities:

- Developed U-App integrating U-Card, U-Wallet, and U-Dex with Wallet and Google signup/login.
- Developed U-Card crypto card available in 80+ countries by integrating Gnosis Pay API on Gnosis network.
- Developed U-Wallet gasless account abstraction wallets integrating Privy API on Gnosis and BSC networks.
- Developed U-Dex for staking, swapping, and lending of UCOIN and BNB on BSC network.
- Developed and audited UCOIN & BNB auto-compounding staking contracts with $100k TVL and 800+ test cases.

Technologies: Solidity, Smart Contracts, Gnosis Pay API, Privy API, BSC Network, Gnosis Network, Full-stack Development, Security Auditing

Blockchain Developer Intern - Limix AI (Limix AI Automated Testing Integration)

Duration: 03/2024 – 05/2024
Summary: Integrated automated testing frameworks and tools to improve smart contract testing efficiency at Limix AI, a company focused on AI and blockchain integration.
Responsibilities:

- Integrated automated testing using Hardhat, Foundry, Slither, Echidna, and Manticore.
- Reduced test time by 40% through automation and improved testing processes.

Technologies: Hardhat, Foundry, Slither, Echidna, Manticore, Solidity, Smart Contract Testing

Blockchain & Smart Contract Developer (Yieldor - Delta Neutral Strategy Bots)

Duration: 08/2024 – Present
Summary: Developed advanced delta-neutral hedging bots achieving 120% annual yield with zero risk by leveraging liquidity pools, staking, leveraged lending, and liquid staking across multiple decentralized applications.
Responsibilities:

- Implemented advanced delta-neutral hedging methods and interoperability for liquidity pools and staking mechanisms.
- Conducted custom delta-neutral strategies on 54 different DApps increasing usability and yield by 67%.
- Developed compatibility for all token types leveraging EIPs/ERCs, amplifying system applicability by 93%.

Technologies: Solidity, Smart Contracts, DeFi, Liquidity Pools, Staking, EIPs/ERCs, Blockchain

Blockchain & Smart Contract Developer (Arbitor - Zero Principal Arbitrage Bots)

Duration: 02/2024 – Present
Summary: Engineered arbitrage bots operating across 150 blockchain networks with a 90% success rate, generating $20,000 revenue in one year by utilizing MEV, flash loans, and just-

in-time liquidity techniques.
Responsibilities:

- Implemented MEV, Flash Loan, Flash Swap, and Just In Time Liquidity techniques to remove collateral requirements.
- Tracked 55,000 liquidity pools across 150 networks using event-driven architecture and WebSockets.
- Developed mathematical formulas improving input/output calculation accuracy by 85% for various liquidity pool types.
- Integrated real-time smart contract event tracking reducing delay by 92% and improving execution time by 78%.

Technologies: Solidity, Smart Contracts, MEV, Flash Loans, Flash Swaps, WebSockets, Event-Driven Architecture, UniswapV2/V3/V4, Curve, Balancer, CPAMM, CLAMM, LB (DLMM)

EDUCATION

- **Selcuk University, Bachelor of Engineering in Electrical Engineering**
  Bachelor of Engineering in Electrical Engineering
  09/2020 – 06/2025

CERTIFICATION

- **Advanced Smart Contract Hacking Course**
  Blockchain Security Academy focusing on smart contracts with attack vectors, vulnerability findings, security auditing tools, EVM and Trace Calls
- **Advanced Solidity Bootcamp**
  Metana focusing on smart contract development with Solidity, YUL, Op Codes, EVM, Storage Layout, Stack, State Machine