DECEBAL DOBRICA

Hands-on CTO | Cryptocurrency | Blockchain Technology Expert

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SUMMARY

Hands-on technology leader with 15+ years of experience building scalable fintech, SaaS, and Web3 systems. Currently leading engineering at **Ebury**, where I manage a cross-functional team of 10+ delivering **event-driven architectures** and migrating to a **"you build it, you run it"** operating model. My expertise spans **TypeScript, Rust, serverless, and blockchain**, with a proven track record of scaling developer productivity by 3x and reducing cloud costs by 75%.

I'm focused on the intersection of **blockchain efficiency and AI productivity**—optimizing smart contract and infrastructure performance while embedding **GenAI workflows** that accelerate development, testing, and delivery. I bring a pragmatic yet visionary approach to technical leadership: balancing resilience, cost efficiency, and speed, while mentoring teams to thrive in high-growth environments.

Now seeking a **hands-on CTO role** where I can architect resilient blockchain platforms, leverage AI to drive engineering efficiency, and align technical execution with business growth.

KEY ACHIEVEMENTS

💎 **Developer Productivity Boost**
Boosted developer productivity by 300% with tech stack optimization.

💎 **Blockchain Protocol Expertise**
Designed and delivered **blockchain integrations** (EVM, Sui/Move, Solana/Rust)

💎 **Scaled Platform Delivery**
Directed cross-functional team of 10+, improving scalability by 40% with event-driven architecture.

💎 **Cloud Cost Reduction**
Cut cloud costs by 75% using serverless design, boosting operational efficiency.

EXPERIENCE

05/2025 - 09/2025

London, United Kingdom

Engineering Manager

Ebury

We help companies of all sizes trade and grow globally with ease 🚀

- Directed a cross-functional team (10+) delivering an event-driven architecture and event store to improve scalability and auditability.
- Championed a "you build it, you run it" model, driving stronger ownership, resilience, and faster iteration across engineering.
- Introduced GenAI tools into development workflows, boosting productivity and accelerating delivery cycles.
- Collaborated with product and design leadership to align engineering with business goals, reducing onboarding time by 65% while ensuring compliance.

04/2025 - 09/2025

Remote

Part-time Smart Contract Engineer

Mundo Wallet

A secure, noncustodial Web3 wallet for freedom and simplicity. Your world, Your Wallet!

- Aligned product and technical strategy to address high-inflation, restricted-currency environments.
- Repurposed a crypto wallet into a fintech app with virtual card integration, enabling everyday use cases for business owners in USD-scarce markets.
- Cut third-party blockchain stack costs by 60% by reducing reliance on indexers and focusing on a cost-effective chain.
- Delivered smart contract and wallet feature optimizations, driving scalability and sustainable growth.

11/2024 - Present

Remote

Part-Time Senior Developer

HedgeX Capital

Tech Stack: Rust, Wasm, Supabase, Vercel, Fermyon

- Increased trading efficiency by 15% by developing a platform for auto-rebalancing strategies on exchanges.
- Improved scalability by 20% by designing modular architecture with Rust and Wasm for rapid iteration.
- Deployed serverless infrastructure using Fermyon, integrating Supabase for GraphQL database querying.
- Built the foundational stack with scalability in mind, supporting additional components for future expansion.

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EXPERIENCE

01/2024 - Present

Remote

Part-Time Blockchain Developer
Self-employed
Company Description
- Blockchain: Solidity, Sui Move, Ethereum, Taiko.
- Programming Languages: Rust, GoLang, TypeScript, JavaScript.
- Frontend: React, Scaffold-ETH2.
- Cloud & Tools: AWS KMS, HashiCorp Vault, zkLogin.
- Proof of Concept Development: Created blockchain solutions like:
  Ethereum wallet with AWS KMS/GoLang key custody.
  Ethereum wallet using Rust/HashiCorp Vault key management.
  Loyalty platform on Sui blockchain with zkLogin, Closed-Loop Token.
  NFT rental on Taiko with Solidity, Scaffold-ETH2.
- Blockchain Expertise: Collaborated with entrepreneurs to design and deliver tailored blockchain solutions for business needs.

12/2024 - 03/2025

Lisbon, Portugal

Senior Software Engineer
BrainRocket
Tech Stack: Nest JS, TypeScript, Kubernetes, AWS
- Started the greenfield Jackpot project, designing a high-traffic platform with scalability and resilience from day one.
- Architected responsibility-focused microservices using Nest JS, NATS.io, and AWS.
- Developed a C4 architectural model for cross-team alignment, ensuring buy-in from stakeholders and seamless execution.
- Created a React-powered dashboard using Vercel and Windsurf to fast-track MVP development and showcase features.

09/2024 - 01/2025

Location

Part-Time Senior Software Engineer
VendueTech
Tech Stack: Python, React, Azure, Vercel
- Designed and implemented a role-based access control (RBAC) system with multi-layered security, enabling fine-grained feature access.
- Improved access efficiency by 40%, centralizing public auction data into an Azure-based platform.
- Collaborated across a distributed engineering team to deliver a secure and scalable system aligned with the founder's vision.

03/2023 - 07/2024

Location

Technical Lead
Breakout Clips
Tech Stack: TypeScript, React, GCP, FFmpeg, Serverless, GraphQL
- Transitioned the engineering team to trunk-based development, reducing deployment friction and cutting integration issues by 20%.
- Built a high-performance video rendering engine using FFmpeg, GCP Cloud Run, and PubSub, optimized for scalability.
- Streamlined microservices with serverless architecture, consolidating systems and reducing operational costs.
- Architected and implemented a cost-optimized CI/CD pipeline with ephemeral environments using Pulumi and serverless technologies.
- Improved the frontend architecture, transitioning to Vite.js for faster builds and implementing Zustand slices to enhance state management.

08/2019 - 03/2023

London, UK

Software Architect
Tellimer
Tech Stack: TypeScript, AWS (Serverless, Lambda, DynamoDB), Vercel, React
- Reduced AWS costs by 75% by implementing serverless-first architecture across platforms like scriber.to and parsel.ai.
- Recruited and led a team of 9 engineers to deliver scriber.to, a scalable financial creator platform.
- Migrated APIs from REST to GraphQL, improving maintainability and query efficiency.
- Championed IaC adoption using AWS CloudFormation, automating deployments and improving system reliability.
- Transitioned frontend systems from Vue.js to React and Vercel, driving performance improvements and SEO.

EXPERIENCE

10/2017 - 01/2022

Romania

Part-Time Ethereum PoW Miner

Self-employed

Company Description

- GPU Rig Specialist: Successfully maintained and installed eight GPU mining rigs, optimizing performance and efficiency for cryptocurrency mining.
- Dual Mining Proficiency: Innovatively dual-mined Ethereum (ETH) and Zcash (ZEC), maximizing resource allocation for enhanced profitability.
- Custom Linux OS: Designed a Linux distribution to optimize GPU use, streamline reporting, and boost efficiency, demonstrating technical innovation.
- Improved mining rig uptime and profitability through meticulous configuration and maintenance.
- Demonstrated adaptability in a dynamic and evolving cryptocurrency landscape.
- Leveraged advanced technical skills to innovate within the field of blockchain technology.

05/2021 - 11/2021

London, United Kingdom

Part-Time Chief Technology Officer

Million Pound Homes

Tech Stack: React, Node.js, AWS

- Enabled data-driven decisions, increasing sales by 15% by bootstrapping a dashboard for London's competitive real estate market.
- Built data pipelines to extract social metrics from Instagram, enabling targeted advertising for new property listings.
- Led a team of 3 engineers to develop scalable solutions in line with business goals.

03/2019 - 08/2019

London, United Kingdom

Software Engineer

Flyt

Tech Stack: Golang, PHP, TypeScript, Kubernetes, AWS

- Quickly adapted to the dynamic food delivery and service industry, building expertise in scalable and efficient systems.
- Spearheaded the onboarding of McDonald's Canada onto Flyt's platform, resulting in a 10x increase in operational volumes and automation of manual processes.
- Thrived in a distributed engineering culture, fostering collaboration between remote and on-site teams to deliver high-quality solutions.
- Deployed containerized services using Kubernetes and optimized workflows to support high transaction volumes.
- Ensured seamless integration and scalability for a rapidly evolving platform.
- Enhanced operational efficiency through automation and process improvements.

06/2015 - 03/2019

Exeter, United Kingdom

Software Architect

Funeral Zone

Tech Stack: Node.js, React, GraphQL, Python, OrientDB, AWS, Docker

- Enhanced Memoria's web apps via architectural leadership, boosting performance and engagement while transitioning to a serverless architecture.
- Maintained and enhanced microservices for mobile apps, internal metrics, and APIs with GraphQL, Python, and OrientDB, resulting in improved efficiency.
- Migrated memoria.com to Next.js, improving scalability and SEO, and developed internal CMS to streamline content workflows.
- Established robust CI/CD pipelines with Bitbucket and advocated Docker containerization, optimizing deployment across environments.
- Collaborated with front-end teams delivering technical solutions aligned with business objectives, fostering an agile environment for innovation.

11/2013 - 06/2015

Bucharest, Romania

Full-stack programmer

eMAG

08/2013 - 10/2013

Bucharest, Romania

Senior PHP Developer

eRepublik Labs Limited

01/2013 - 08/2013

Bucharest, Romania

Senior PHP Developer

H Grup IT Expert

11/2012 - 01/2013

Bucharest, Romania

PHP Web Developer

Agile Outsourcing

EXPERIENCE

10/2010 - 10/2012

Bucharest

Software Developer
ContentSpeed

07/2010 - 10/2010

Bucharest, Romania

Python Tester Intern
Eau de Web

EDUCATION

01/2007 - 12/2011

Bachelor, IT, Maths
Military Technical Academy

01/2003 - 12/2007

Bachelor of Applied Science (B.A.Sc.), Mathematics and Computer Science
Military Highschool, Breaza

CERTIFICATION

Zend Certified PHP 5.5 Engineer
Zend Technologies

Linux/Unix Administration Fundamentals
Infoacademy

Linux Administration Security
Infoacademy

PHP Advanced Programmer
Infoacademy

TRAINING / COURSES

Dapp University

Eat the Blocks - Solidity Mastery Bootcamp

Linux/Unix Administration Fundamentals @ infoacademy.net

Linux/Unix Administration Security @ infoacademy.net

MongoDB for Developers

PHP Advanced Programmer @ infoacademy.net

Tech Leaders - Certified Coach Course

Tech Leaders - Fractional CTO Course

SKILLS

Blockchain Development | Ethereum | SUI-Move | Smart Contracts | Solidity | AWS KMS | Kubernetes

Distributed Systems | C Level Management | Rust | Next.js | Microsoft Azure | Fast API | Linux | Ethernet

Cryptocurrency Mining | Cryptocurrency | Golang | Engineering Management | Coaching & Mentoring | Django

E-Commerce | Mentoring | Teaching | Server Administration | Couchbase | APC | Neo4j

Domain-Driven Design (DDD) | Technology Leadership | Technology Management | Interim Management Services

Software Architecture | Platform Architecture | Amazon Web Services (AWS) | Cloud Computing | Claude

AI Engineering | PostgreSQL | Software Management | TypeScript | Google Cloud Platform (GCP) | React.js

FFmpeg | Team Leadership | Leadership | Management | MySQL | MongoDB | Go | Microservices

Software Development | OOP | JavaScript | Git | Web Development | Scrum | RabbitMQ | Programming

Mobile Applications | Node.js | Continuous Integration | HTML | Python | GraphQL

Software Architectural Design | Windsurf | Cursor