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Summary

Trailblazing Tech Executive with 20 years of success architecting and launching mission-critical software platforms. Demonstrated excellence in leading global engineering teams, spearheading FinTech initiatives, and aligning technology strategies with business goals.

- ✓ **Engineering Leadership:** Cultivated and scaled high-performance teams of 20+ engineers across 3 countries.
- ✓ **Cloud & Blockchain Expertise:** Orchestrated cloud infrastructure migrations and blockchain initiatives.
- ✓ **Full-Stack Development:** Mastered front-end (React, Bootstrap) and back-end (.NET Core, Django, Node.js) technologies, propelling 7+ enterprise-grade applications to successful launch.
- ✓ **Cross-functional Leadership:** Partnered with C-suite executives to harmonize technology strategies with business objectives, culminating in successful product launches, including a \$100M TVL token.

Experience

Senior Software Engineering Manager

Celsius Network (DeFi & CyberDefense teams) | Denver | Mar 2022 - September 2024

- Spearheaded wrapped token projects, including cxBTC with \$100 million TVL. Implemented DeFi yield strategies on Ethereum and Polygon.
- Scaled three international development teams from 15 to 24 engineers across the US, Serbia, and Romania.
- Orchestrated cross-functional collaboration to launch wrapped token projects backed by proof-of-reserve Chainlink oracles, ensuring regulatory compliance and market fit.
- Spearheaded the integration of MetaMask with the Celsius wallet, elevating user experience.
- Crafted FireBlocks API clients to audit 5M+ customer vaults across 20+ EVM networks, reclaiming \$4M+ in unsupported tokens.

Chief Technology Officer

Royalty Exchange | Denver | Jan 2020 - Oct 2021

- Executed platform migration to Django REST Framework, ReactJS, Postgres on AWS/Ubuntu, doubling system scalability and performance.
- Integrated payments & payouts using Stripe & Plaid APIs for both credit card & ACH support, streamlining staff support load.
- Revolutionized team efficiency with Scrum/agile practices, accelerating time-to-market to weekly cadence.
- Nurtured a team of developers into technology leaders and key contributors.
- Pioneered the first Ethereum NFT product that pays in crypto for real-world (ASCAP/BMI) music royalties.

Director of Technology

Foundation for Economic Education | Atlanta | Dec 2015 - Jan 2020

- Assembled and led a high-caliber technology team of developers, designers, QA, and product experts.
- Engineered a \$3M social media marketing analytics platform. Open-sourced code and showcased at national conferences.
- Empowered teams in domain-driven design using Bootstrap, HTML5, JavaScript ES6, Webpack, and React.
- Orchestrated RESTful API deployments using ASP.Net across Windows and Linux platforms in AWS.

Software Architect

EF Education First | Shanghai | Jan 2011 - Nov 2015

- Directed agile teams in creating web and mobile applications using .Net/C#, Javascript, ReactJS, & SQL Server.
 - Implemented Scrum, continuous integration, Git, and code review practices.
 - Collaborated on innovative apps with real-time academic performance feeds and media recording features.
- Built, launched, and maintained three web apps and two mobile apps for internal and external customers.
- Pioneered migration from on-premise datacenter to Amazon Web Services cloud platform.

Senior Application Engineer

Match.com | Dallas | Aug 2008 - Oct 2010

- First developer on Match.com mobile apps division, writing iOS and Palm (webOS/HTML5/CSS3/Javascript) apps.
- Engineered mobile apps and secure APIs (C#/.Net/SQL Server) for iPhone, Windows Phone, and Android platforms.
- Developed a scalable SMS notification platform reaching over 12 million Match.com users.

Notable Projects

CelsiusX Wrapped Bitcoin (cxBTC)

- Architected a \$100M TVL wrapped Bitcoin asset on Polygon, bridging CeFi and DeFi ecosystems
- Integrated Chainlink Proof of Reserve for unparalleled transparency and security
- Crafted real-time, fee-free conversion between native and wrapped assets, amplifying liquidity


JellyFish Insights Analytics Platform


- Architected an open-source, multi-platform social media analytics tool for non-profits
- Developed custom BI features, empowering organizations with data ownership and advanced reporting
- Presented at national conferences, showcasing innovative approach to data aggregation and visualization


Match.com Mobile Ecosystem

- Spearheaded Match.com's mobile API architecture, developing secure, versioned APIs for iOS, Android, WebOs, and Windows Phone
- Built high-performance SMS system reaching 12M+ users, driving engagement and retention
- Optimized API and implemented caching, improving app performance by 5x+

Education

 MSIS, Masters in Management of Information Systems | Mays Business School - Texas A&M University | 2003 - 2004

 Data Science: Python programming, research design, data modeling, & machine learning | General Assembly | 2016

 Bachelor of Science, Economics & Political Science (dual-major) | Texas A&M University | 1999 - 2003

Technical Expertise

Programming Languages:

★ **Expert (10+ years):** C#, .NET Framework (Services, Web, Mobile, & Desktop), SQL, HTML/CSS

★ **Proficient (5+ years):** TypeScript, JavaScript, Python

★ **Familiar (2+ years):** Node.js, Solidity, PHP, Rust, Objective C

Web Technologies:

🌐 **Frontend (8+ years):** React, HTML5, CSS3, Bootstrap, Webpack

🗄️ **Backend (10+ years):** ASP.NET Core, Blazor, Node.js, Django, WordPress, WooCommerce

🔗 **API Design (7+ years):** RESTful, SOAP, Swagger/OpenAPI, API versioning, CORS

Blockchain & Cryptocurrency:

₿ **Platforms (5+ years):** Bitcoin, Ethereum, Polygon, Layer 2 solutions

✂️ **Tools (4+ years):** Web3.js, Ethers.js, MetaMask API, MEV (flashbots), Truffle

🏗️ **Architecture (6+ years):** Trading engine design, market making, DeFi yield strategies, multisig custody, tx fee optimization, Blockchain oracles

Cloud & DevOps:

☁️ **Platforms (8+ years):** AWS (EC2, S3, RDS, ElastiCache, Lambda), Cloudflare

☁️ **CI/CD (7+ years):** TeamCity, GitHub Actions, Docker

☁️ **Databases (10+ years):** SQL Server, PostgreSQL, MySQL, Redis, T-SQL, Elasticsearch

Methodologies:

👥 **Agile (10+ years):** Scrum, Kanban, SAFe, Lean, XP

🏗️ **Architecture (8+ years):** Domain-driven design, Event-driven architecture, Microservices, n-tier, CQRS

🐞 **Testing (7+ years):** TDD, Automated testing, Selenium

FinTech-specific:

💳 **Payment Integrations (5+ years):** Stripe, Plaid, PayPal, ACH, ATM payouts

🛡️ **Compliance (4+ years):** KYC/AML protocols, GDPR, PCI DSS, financial regulations

🔒 **Security (6+ years):** OAuth 2.0, JWT, SSO, Two-factor authentication, crypto custody providers

Project Management:

📅 **Tools (8+ years):** JIRA, Trello, Figma, Notion

👥 **Team Leadership (10+ years):** Mentoring, Performance reviews, Agile coaching
