

# Mike Radin

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## SUMMARY

Experienced technology leader for large corporations and startups with several mainnet DeFi project deployments following 20 years of experience in Finance and Telecom. Hands-on skills in distributed system architecture and development specifically for trading applications with ability to inspire a team along for the ride. Discipline and foresight to take a product from concept to deployment.

## SKILLS

- Technology Leadership, System Architecture, People Development, Business Analysis, Product Management, Information Design, Agile Delivery, CI/CD
- Smart Contract Architecture, DeFi Instrument Design, Incentive Design, Blockchain Education
- Solidity, Typescript, React, Node, Java, Ethereum/EVM, C#, SQL, Tezos

## PROFESSIONAL EXPERIENCE

### Cryptonomic Inc

*Director of Engineering*

2018.11 – present

New York, NY

A hands-on technology leader at a startup, I guided cross-functional teams, 20 people at its peak, to deliver multiple products in a dynamic blockchain space. This included a consumer-oriented wallet on desktop and mobile platforms with the goal nurturing confidence in novice users for using sophisticated decentralized apps. Designed and built a meta-data driven cross-chain analytics tool that offers query and aggregation functionality beyond what block explorers can do. These products were created on top of a developer library in Typescript for interactions with the Tezos chain and a home-grown indexer. The wallets across all platforms had ~30k users while the infrastructure over all serviced 400M requests a month. Also on Tezos, I led the development of a trustless lending platform, steered clients on NFT and financial token product fit, incentive design and deployments.

On Ethereum, helped large corporate clients understand the emerging technology sector and apply public and private EVM deployments for transaction settlement and trading. Built headline-generating a decentralized-id system to integrate a bank trading desk with popular public DeFi protocols. Worked to build a decentralized fundraising platform that is aiming to bridge blockchain finance to legal realities while retaining benefits of open and public financial systems. Deployed a fully decentralized NFT with identity features and dynamic on-chain content.

Publicly engaged with the community offering workshops on dApp development (in Tokyo, London, Berlin, Douala and New York), best practices, decentralized and trustless system design. Held talks and Q&A sessions to teach blockchain concepts from a user perspective with practical examples to grow adoption.

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### JP Morgan

*Enterprise Architect; CIB Data Engineering*

2017.8 – 2018.10

New York, NY

As part of the Distributed Systems Resiliency working group developed strategic architecture and design for big data system implementations across the enterprise. Served on the corporate Big Data Design Council as a representative of CIB on topics of security, data ingestion and general platform architecture. Provided Identity Access Management architecture specification to handle data provisioning scenarios in multi-tenant environments. Supplied internal clients with solution architecture on top of the CIB data lake with HDFS at the core. Engaged with technology and business teams to map requirements to existing system functionality. Collaborated with tech leads on feature roadmaps to meet client OLAP demands and support platform evolution towards integration of OLTP functionality.

Contributed to bank-wide data architecture – helped the information architecture team realize the data-model-centric design vision by bridging high-level directives with implementation roadmaps. Concentrated on replacing manual code development with automated, multi-platform code generation workflow. Led architecture optimization and technology stack consolidation towards stream processing, microservices, and use of off-the-shelf reporting and business intelligence tools. Authored and co-wrote whitepapers on subjects ranging from general system architecture, to entitlement system design, and software product delivery.

**JP Morgan**

2013.10 – 2017.8

*Technical Product Manager; Spread Technology*

New York, NY

Spearheaded a strategic project to consolidate the application portfolio across Spread businesses, starting with technology selection and resulting a global rollout for hundreds of users. The product became a generalized, meta-data driven reporting platform for risk, P&L, and regulatory audit deployed across multiple business managing as much as 9B of P&L for trading, product control and risk users. I championed this product internally and formed a joint venture with the global risk reporting team to establish the platform as their primary interface atop big data infrastructure.

My contributions extended to nurturing talent and promoting technical excellence and customer focus. I played a pivotal role in the overall application architecture and advised on long-term technology strategy initiatives for financial reporting. Utilizing an Agile development model, I directed the delivery of a modular C#/WPF UI and web-based prototypes. I also managed and coordinated client teams' work streams that contributed features to the reporting platform. By employing modern source control and continuous integration tools, I maintained control over the codebase, conducting code reviews, and mentoring the development team on best practices, continuous delivery, security, and architecture.

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**JP Morgan**

2009.5 – 2013.9

*Lead Developer; Portfolio Swap*

New York, NY

Lead the UI effort of a bilateral team tasked with creating a WPF desktop application for the global Equity Swap business, utilizing C# and Microsoft Enterprise Libraries. The product was eventually deployed to 80+ users across New York and London. I developed and deployed a CAB/SCSF application toolkit for Investment Bank software projects, influencing the technical direction of the project as a member of the system architecture working group. To ensure the highest code quality, I enforced stringent standards through regular code reviews and continuous integration with tools such as Hudson, MSBuild, FX Cop, NUnit, and Sonar. I also optimized client network and XML messaging libraries and provided hotfixes to our Java server codebase.

Beyond technical contributions, maintaining relationships with traders and middle-office users to gather functional requirements and UX feedback was crucial to delivering effective trading tools. I also defined the development roadmaps and set the technical direction for various projects, ensuring effective use of our international team of developers and testers.

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**Bear Stearns**

2005.3 – 2009.5

*Developer; EMM*

New York, NY

Evolved existing ISE options trading desk software for a market-making team. Improved UX to expose more trading opportunities, modernized the software reduce latency both in the UI and networking communication, designed a new data model and messaging protocol. Based on the lessons of this project, prototyped a new NYSE trading client in C#, focusing on usability and speed of user interaction. Created a floor monitoring and management application for NYSE specialist operations to allow near-real-time trade correction by desk heads. Further, developed reporting and compliance tools for use by both of the business groups.

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**ECI Inc**

2003.9 – 2005.1

*Consultant*

Wayne, NJ

Created a web-based teleconference management tool to create a new revenue stream that allowed for user-guided call setup and participant registration. Created value-add features survey data collection during the call. This product significantly enhanced operational efficiency and call volume. Created new technology IP to control Spectel teleconferencing bridges with Java APIs to simplify development of future products on exiting infrastructure by standardizing code and access mechanisms.

Additionally, instituted development best-practices with automated build and deployment procedures, set examples on proper OOD, documentation and source control use. Worked on projects aimed at building a unified application infrastructure and codebase, reconciling new product initiatives with existing architectural limitations. Implementation was done on Linux with Java, Java-EE, using MS SQL Server & PostgreSQL.

**Various Clients** 2002.3 – 2003.9  
*Consultant* New York, NY  
Consulted for several clients delivering data-driven web applications in JavaScript, J2EE with relational databases. Offering implementation as well as development guidance in addition to hand-off to internal staff.

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**MessageClick** 1998.10 – 2001.9  
*Lead Developer* New York, NY  
Became the primary developer of the unified messaging telephony product. Developed software to bridge telecom hardware to web and nascent mobile UIs. Created innovative features combining voicemail, fax and email into a single inbox that attracted 750K users.  
Participated in infrastructure management from user-facing product releases to hardware deployment. Architected multiple system components including the database layer and various interface APIs.

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## PERSONAL PROJECTS

**DeFi MEV Bots** 2021.3 – 2021.11  
Developed an automated trading system to take advantage of arbitrage opportunities on decentralized Tezos exchanges leveraging deep knowledge of undocumented mempool features to take profit with a dozen tokens.

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**hirelikeaboss** 2014.4 – 2016.1  
Created a product that enables an objective and reproducible recruitment process based around an iOS app to give interviewers a structured system to evaluate candidates consistently and feedback between the interviewers and hiring managers. Bootstrapped the product with a content library of several hundred technical interview questions relevant for corporate tech hiring.

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**newsbolt** 2012.1 – 2013.12  
Developed an RSS news reader iPhone application in Objective-C focusing on usability. Features included local storage, integrated browser, libxml2-based RSS/Atom parser, social sharing, gesture control and various search engine APIs.

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## COMMUNITY PARTICIPATION

[AllStarCode 2018](#) 2018.8  
*Mentor*  
Mentored high schools students considering careers in Computer Science.

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[Quorum/Cakeshop](#) 2018.6  
*Contributor*  
Contributed to the Cakeshop devops tools open-source project for the Quorum distributed ledger framework on Linux & macOS.

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[HackNYU 2018](#) 2018.3  
*Judge, Mentor*  
Guided Disaster Recovery track teams through the competition. Judged final project submission for community impact and creativity

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## EDUCATION

**New York University** 2002  
*Bachelor of Arts, Computer Science & Theoretical Economics* New York, NY