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Top Skills

Engineering Management
FinTech
Cryptocurrency

Languages

Chinese (Elementary)
English (Native or Bilingual)
Russian (Professional Working)
Spanish (Elementary)

Certifications

Triplebyte certified Generalist
Software Engineer
Triplebyte Certified

Publications

Information Security Fundamentals

David Veksler

Senior Software Engineering Manager @ Celsius | Tech Leadership,
Blockchain, Cryptocurrency, Security, Wallet Recovery
Denver, Colorado, United States

Summary

Software Engineering Leader with over 19 years of experience driving technological advancements and team excellence in high-growth environments. Proven track record in:

- Engineering Leadership: Scaled and mentored high-performance teams of 20+ engineers across international locations, fostering a culture of innovation and continuous improvement.
- Cloud & Blockchain Expertise: Pioneered cloud infrastructure migrations and blockchain initiatives, including successful launches of cryptocurrency products and NFT projects.
- Agile Transformation: Implemented agile methodologies and best practices, significantly enhancing team productivity and product delivery timelines.
- Full-Stack Development: Extensive experience in both front-end and back-end technologies, with a focus on scalable, secure, and user-centric solutions.
- Cross-functional Collaboration: Effectively partnered with product, marketing, and C-level executives to deliver innovative solutions that meet both user needs and business goals.

Experience

Celsius

Senior Software Engineering Manager
March 2022 - Present (2 years 6 months)

- Led and scaled three international development teams (24 engineers) across the US, Serbia, and

Romania, implementing agile methodologies to ensure efficient project execution.

- Spearheaded the launch of four major wrapped token projects, including cxBTC with \$100 million TVL, utilizing innovative proof-of-reserve mechanisms.
- Designed and led the integration of MetaMask with the Celsius wallet, significantly enhancing user experience and functionality.
- Engineered FireBlocks API clients to automate token management across various blockchain networks, improving operational efficiency and compliance.
- Collaborated with cross-functional teams (product, marketing, compliance, finance) to align technical development with business objectives and regulatory requirements.

Vellum Capital

Managing Partner

January 2018 - Present (6 years 8 months)

Grand Rapids, Michigan, United States

- Responsible for overseeing critical aspects of the fund, including security and custody of assets, maintaining and developing counterparty relationships, conducting comprehensive market research, and leading digital marketing initiatives.
- Successfully implemented the CryptoCurrency Security Standard (CCSS), employing a standards-based hardware multi-signature custody protocol to ensure robust security of fund assets.

WalletRecovery.info/The Bitcoin Consultancy

Founder

August 2017 - Present (7 years 1 month)

Denver, Colorado, United States

- Aided thousands of customers in recovering Bitcoin/crypto wallets using advanced techniques such as GPU-based brute force attacks, hardware hacking, and smart contract development.
- Pioneered innovative recovery solutions, including jailbreaking smartphones, contributing significantly to the field as evidenced at walletrecovery.info.

Royalty Exchange

Chief Technology Officer

January 2020 - October 2021 (1 year 10 months)

Greater Denver Area

- Orchestrated and guided cross-functional teams in the US and Brazil through a critical platform migration from Python/Django to Django REST Framework and ReactJS, enhancing system capabilities and user experience.
- Revolutionized company processes by implementing agile software development practices, significantly boosting efficiency, productivity, and fostering a collaborative team environment.
- Mentored and cultivated a team of developers, fostering their growth into technology leaders and key contributors.
- Led the development of the first Ethereum NFT designed to pay real-world music royalties, setting a new precedent in the intersection of blockchain technology and the music industry.

Foundation for Economic Education

4 years 2 months

Director of Technology

December 2015 - January 2020 (4 years 2 months)

Atlanta, GA

- Recruited, nurtured, and led a high-caliber technology team encompassing developers, designers, QA, and product experts, fostering a culture of excellence and innovation.
- Spearheaded the creation of a state-of-the-art social media marketing analytics platform (Jellyfish Insights), backed by a \$3 million grant, setting new standards in digital marketing analysis.
- Authored insightful research reports and presented findings at national conferences, establishing thought leadership in technology applications in economics and education.
- Coached and guided teams in domain-driven design, leading to the development of sophisticated web applications using technologies like Bootstrap, HTML5, JavaScript ES6, Webpack, and React.
- Managed the deployment of RESTful APIs using ASP.Net (C#, razor, MVC, Web API, Entity Framework) across Windows and Linux platforms in AWS environments.

Director of Marketing

January 2017 - September 2018 (1 year 9 months)

Atlanta, GA

Founded the FEE marketing department: hired, trained, and managed the team of five marketers at FEE.

- Formulated marketing strategy and implementation for half a dozen products, including ad ops for FB and

AdWords, publishing email, eBooks, and content marketing to guide customers through the customer journey.

- Created a system for understanding our customer: conducted focus groups and studies to build and verify customer personas.
- Integrated HubSpot, Salesforce, and other tools into an integrated marketing funnel. Implemented marketing automation tools that provided customers with targeted calls to action.
- Presented my marketing strategy at national conferences to establish strategic partnerships.

Liberty.me

Founder & Principal Architect

August 2013 - January 2016 (2 years 6 months)

Singapore (Distributed team)

Lead developer and contractor for the Liberty.me technology platform.

Recruited and managed technology team of 20+ contractors and coordinated with third party agencies. 24 hour development schedule across six time zones, and continuous delivery through 6500+ code commits.

Principal responsibility for all technology choices, including 80+ plugins, AWS server architecture, credit card/PayPal/Bitcoin merchant services, partner content integration, iPhone/Android apps, and much more. With Bitcoin as a key payment method, handle operation security, cold storage operations, and BitPay API integration.

Technologies include: nginx, HVVM, redis, memcached, varnish, easyengine, Ubuntu

WordPress, BuddyPress, bbPress, git-flow, New Relic, Mandrill, MailGun, MailChimp.

AWS: EC2, RDS AuroraDB, S3, ElastiCache, CloudFront, SES

EF Education First

4 years 11 months

Software Architect

November 2013 - November 2015 (2 years 1 month)

Shanghai, China

- Directed agile development teams in creating highly successful web and mobile applications using .Net/C#, Javascript, ReactJS, & and SQL Server.

- Implemented modern development practices including Scrum, continuous integration, Git, and code review, significantly elevating team efficiency and productivity.
- Conducted on-site visits and customer interviews to gather and define precise requirements for new product developments, ensuring customer-centric solutions.
- Collaborated with diverse product and academic teams to develop innovative applications, integrating real-time academic performance feeds and in-classroom media recording features.
- Pioneered the migration of the technology stack from traditional datacenter environments to the Amazon Web Services cloud platform, enhancing scalability and performance.

Technical Lead

January 2011 - November 2013 (2 years 11 months)

Shanghai City, China

- I played a key role in the design, build, and successful launch of a 14-month project: new Business Management System serving hundreds of schools in three countries.
- Responsible for technical solution design & implementation support for multi-million \$ hardware and software investments in hundreds of schools in multiple countries
- Large-scale SOA cloud architecture & hosting (Amazon S3/EC2).
- C#, ASP.Net, MVC 3 Razor, Entity Framework, SQL Server, TFS design and development
- Rich client UI (AJAX, JQuery, Telerik MVC, Knockout.js)
- Continuous integration and Scrum configuration and training
- Assessment & strategic consulting of hardware/software investments

Ludwig von Mises Institute

Webmaster/Software Architect (Consultant)

August 2004 - August 2014 (10 years 1 month)

(Remote - Auburn, Alabama)

- Architected and wrote Sofia CMS, the open source content management system for Mises.org. The CMS hosted from 2004–2014 thousands of articles, terabytes of videos, and hundreds of books.
- Worked with creative agencies, e-commerce managers, editorial staff, and senior staff to collaborate on software, design, media, and content projects.

Match.com

Senior Application Engineer

August 2008 - October 2010 (2 years 3 months)

Dallas, Texas, United States

- Served as the first developer on the highly successful Match.com mobile apps division, writing the iOS and Palm apps.
- Engineered and maintained a diverse array of mobile applications and secure APIs for iPhone, Windows Phone, and Android platforms.
- Developed and managed a scalable SMS notification platform, effectively reaching over 12 million Match.com users.

Essilor of America

System Engineer II

July 2007 - July 2008 (1 year 1 month)

Dallas, Texas, United States

- Successfully ported a complex prescription lens application for computer lenses from C++ to C#
- Collaborated on the development of an order management application using Windows Forms rich client architecture, which significantly increased the speed at which thousands of optometrists were able to process orders

Reynolds & Reynolds Inc.

Senior Applications Developer

August 2006 - June 2007 (11 months)

Plano, Texas, United States

- Maintained client-facing auto sales catalog for a large 300+ dealership network using ASP.Net and HTML/CSS.

c-Systems Software, Inc.

Application Developer

August 2005 - August 2006 (1 year 1 month)

Arlington, Texas, United States

- Participated in the design of a new web OAGIS-based web service protocol for the motor sports industry and single-handedly beat a major industry team to market by leveraging .Net web services.
- Designed reports and receipt forms for an accounting software suite in Active Reports.

Rhino Machinery

Web developer, database architect, and systems administrator

August 2004 - August 2005 (1 year 1 month)

Austin, Texas Metropolitan Area

- Designed, architected, and built a CRM and online storefront. From concept to production in under six months using ASP.Net, C#, and SQL Server.
- Ported web CRM to a Windows Forms data-entry application for use by global team.
- Worked with the founder to build a marketable software product, met with clients to pitch software, then provided on-site implementation, training, and support.

Texas A&M University

Web Developer

August 2003 - July 2004 (1 year)

College Station, Texas, United States

- Sole designer and developer of a roommate/apartment matching service utilizing the .Net framework, SQL Server 2000, and Visual Studio 2003.
- Applied ASP.Net best practices to create complex multi-tiered and object-oriented web applications.

Education

Texas A&M University - Mays Business School

MSIS, Masters in Management of Information Systems · (2003 - 2004)

General Assembly

Data Science: Python programming, research design, data modeling, & machine learning · (2016 - 2016)

Texas A&M University

Bachelor of Science - BS, Economics & Political Science dual-major · (1999 - 2003)