

Daniel (Dan) Strohschein

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DIRECTOR OF ENGINEERING

Hands-on director of engineering with extensive experience in business strategy, team growth, process improvements, and enterprise architecture design. History of success defining and executing product strategy while driving engineer growth, project development, and Best Practices implementation. Proven ability to lead and develop high performing teams, while managing projects from inception to delivery.

AREAS OF EXPERTISE

Team Building & Leadership | Product Development | Agile Management | Software Engineering | Metrics | Quality

EXPERIENCE

Dan Strohschein Consulting, GA

2017 - Current

Fractional CTO / Head of Engineering Consultant (Remote)

Join with pre-seed to late stage startups as a fractional CTO by doing everything from building their software to building engineering teams to developing engineering culture.

- Seed level startup in the social media space bridging short form video content with food. I developed their initial software prototypes and architected the backend system design to handle up to 10 million users. I also recruited and hired a team of highly skilled software engineers, defined the SDLC, CICD, Automated Testing practices, and release infrastructure in the AWS Cloud.
- Pre-seed level startup in the fintech space using automated tooling to assist crypto trading. Defined engineering SDLC and culture and recruited/built the software engineering team, while scaling backend system architecture to handle terabytes of data per hour. Standardized their agile processes and built the QA team along with automated testing practices.
- Series A level startup in the medical/health space easing patient access to EMRs. In this role I defined the engineering security practices, defensive coding techniques and acted as temporary CISO

Equips, WI

Vice President, Software Engineering

2024 - Present

Lead product development in a very early stage startup to establish and scale product market fit for our AI Centered CMMS. Led a team of 5 mid-career software engineers to take the product from prototype to product launch to scale stage. Used various tech skills Go, Postgres, React, Typescript, nodejs, AWS, Scrum, kanban, jira, terraform, github, terraform

- Established engineering culture with a user-first, scientific experimental approach. Established lean agile practices to reduce time waste and provide more value per minute to the engineers' day reducing meeting load by 50% while increasing communication
- Introduced the experimental mindset to help establish discovery practices to build the road of success for our customers, resulting in an increase of MAU from 100 to 400
- Introduced quality control and security processes, both automated and manual, reducing bugs by 75% without impacting velocity.
- Established the production infrastructure, CICD, automated testing, and daily release cadence fully eliminating deployment defects and delays, and establishing a true stable production environment for product launch
- Developed product and team KPIs to enable decision making for product and team growth

Koneksa Health, NY**2022 - 2024****Senior Engineering Manager (Remote)**

Built and led a team of 10 remote software engineers and leads in a mid-stage startup in the health/medical sciences industry for their SaaS product. Used various tech skills Go, Postgres, MongoDB, React, Typescript, K8s, AWS, Kafka, Scrum, kanban, jira, confluence, git, Redis

- Overhauled teams to increase focus and communication, resulting in 35% efficiency gain. Introduced OKR Framework bringing teams inline with business goals and efficiency requirements. Implemented agile processes, CI/CD processes, test automation resulting in 40% deployment frequency. Established team events that resulted in new tools that reduced customer setup time by 60%. Introduced PR/code reviews, design reviews, and architectural standards, resulting in 35% less quality churn.
- Developed additional security practices for handling PII and medical data to comply with HIPAA
- Drove product roadmap, ensuring highly secure, high quality feature development and release. Worked with cross functional teams (Product, DevOps) to establish priorities and release automation significantly reducing quality churn. Established regular 1:1 to mentor engineers and leads.

Zywave, WI**2021 - 2022****Director of Engineering (Remote)**

Built and led a team of 20 remote software engineers and 3 managers in a late stage startup in the insurtech industry for their SaaS product suite. Used tech skills C#, Angular/React, AWS, Kubernetes, SQL, Mongo, JavaScript, Typescript, AWS, Nodejs, Scrum, Redis, jira, confluence, git

- Introduced a mission based culture which improved business alignment. Implemented performance metrics reporting resulting in 70% increase in efficiency. Initiated feedback cycles with executive leadership, leading to 50% increase in estimate accuracy. Spearheaded coding best practices, code reviews, agile framework, test automation, CI/CD / DevOps and security practices resulting in faster releases and a 50% reduction in defects. Developed a career coaching framework and mentored managers/engineers in it, resulting in 2 promotions.
- Developed and set strategy for Product Roadmap for 5 SaaS offerings, aligning with cross functional teams (Product, IT, Security). Drove security practices for PII data handling to align with regulations.

Presidio, NY**2017 - 2021****Engineering Manager (Remote)**

Built and led two teams of 5 remote software engineers in an early stage startup-like subsidiary of the consulting firm Scorpion Security SaaS Product. Used Skills Java, C#, Typescript, node, Angular, React, VueJS, Mongo, MySQL, AWS, GraphQL, Kafka, Scrum, Redis, jira, git

- Drove product roadmaps and key performance indicators resulting in 25% revenue increase and engineering efficiency resulting in 50% increase in release frequency. Established code review, best practices, CI/CD, and test automation which reduced defect generation by 70%.
- Invented application modernization process framework for migrating on-prem legacy apps to modernized cloud apps, which allowed faster project completion with better accuracy and 30% increased revenue.

NASA (National Aeronautics and Space Administration), FL**2011 - 2017****Principal Software Engineer | Lead**

- Led a team of 7 Senior software engineers responsible for developing two dozen web applications in C#/[ASP.NET/Typescript/SQL](#)/VueJS and other cloud technologies such as AWS, Azure. Developed an augmented reality headset OS and application suite for space suits in Android Java/Postgres/Mongo and React Native.
- Introduced modern DevOps practices using containers and cloud technology. Evangelized agile methodology adoption. Mentored engineers in career/technology. Utilized Jira, Bamboo, Git for CI/CD

By The Fans, LLC, FL**2009 - 2014****Head of Engineering**

Co-founded a startup company in the sports media and betting community that grew to 3M MAU prior to successful sale. Built and led Team of 3 Hybrid Software Engineers as head of engineering.

- Designed, developed, and operated a microservice based web application for sports polling, betting, and streaming for over 3 million active users in C#/ASP.NET/Javascript/SQL.
- Directed product technical strategy and overall vision. Worked with CEO to charter into new product channels, achieving positive revenue in the second year without investor money.
- Coached software engineers in career/skills to aid in career growth goals. Introduced agile methodologies.

ADDITIONAL RELEVANT EXPERIENCE**Adventist Health Systems, FL****Lead Software Engineer**

Led development and deployment of physician and public facing web apps in C#, Javascript and SQL for the hospital system. Built security practices to secure PII/HIPAA. Introduced agile development methodologies. Contributed to establishing KPI tracking. Mentored early career developers.

Mitsubishi Power Systems, FL**Senior Software Engineer**

Built all internal web and windows applications for power turbines. Developed a CAD Drawing program for part inspection in C#. Developed data collection app to retrieve sensors from turbines in ASM/C++. Maintained all internal and external sites in PHP/Laravel

EDUCATION**A.A. Information Systems**

Eastern Florida State College

B.A. Information Systems Management

Jones College

CERTIFICATIONS

Certified SCRUM Master | Certified Product Owner | Certified SCRUM Developer

SOFTWARE COMPETENCIES

C# | JavaScript | Typescript | GoLang | Android Java | Angular | Vue | SQL | Docker | Kubernetes | MongoDB | Postgres | NodeJS | AWS | Kafka | Jira | GitHub | Confluence | SCRUM | Redis