



TUCKER ALLEBORN

Software Engineering Manager

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LANGUAGES

C#	TypeScript
SQL / T-SQL	JavaScript
HTML / CSS	SCSS
Python	PowerShell
Bash / Shell	YAML

FRAMEWORKS / LIBS

Angular	ASP.NET Core
.NET / EF	RxJS
React	React Native
Node	Express
Playwright	Serilog
RedLock	ngElements

OTHER SKILLS

Git	Azure DevOps
Pipelines	App Service
API Mgmt	App Config
Key Vault	Terraform
Redis	MongoDB
SQL Server	Datadog
RUM / APM	Feature Flags
Kill Switches	CI/CD
Incidents	SAST
CSP	WAF / F5
Burp	OWASP
JWT	OAuth
PCI DSS	SOC 2
WCAG 2.1 AA	PII
E-SIGN	KYC / IDV
Fraud Detect	Multi-tenant
White-label	Agile Scrum
SAFe	

AI TOOLING

Claude Code	Agent Skills
Subagents	MCP Servers
Hooks	Worktrees
Multi-Agent	Agent SDK
Model Tiering	Context Eng.
Agent Mem.	LLM APIs
Prompting	Tool Use
Guardrails	Copilot

EDUCATION

Pepperdine University

Malibu, CA | Class of 2012

Ranked a Top 50 national university by U.S. News.

PROFILE

Hands-on engineering manager, autodidact, and DreamWorks alumnus, with 13+ years designing, developing, and shipping technical projects at scale alongside domestic and international colleagues. Runs up to three concurrent onshore and offshore teams while staying in the codebase daily. Has hired 10+ engineers from intern through staff level and conducted hundreds of interviews across multiple products. Outside of work: rocketry, biohacking, surfing, climbing, golf, and PC building.

EXPERIENCE

SOFTWARE ENGINEERING MANAGER @ ORIGENCE

2018 - PRESENT | IRVINE, CA

Origence builds loan and account origination technology for credit unions - **\$62B** funded across 2.2M loans in 2025, \$656B and 25M to date, for 1,100 credit unions and 68M+ members, and the nation's **#1 credit union auto lender** five years running.

Software Engineering Manager — Loan & Account Origination Solutions (2021 - Present) - Sole tech lead and manager for arc DX, a white-labeled Angular / .NET consumer loan and account origination platform live at **126 credit unions** across all 50 states and DC: 369K member sessions and 20.1M API calls per month, 50,639 applications submitted - a 616K annual run-rate, one every 51 seconds - at **99.997% availability** and a 99.685% submit success rate, measured in Datadog RUM. Runs up to **three concurrent sprint teams** of 3-5 onshore and offshore engineers, plus aligned QA, product, and scrum; owns the people lifecycle end to end - **hired 10+ engineers** from intern through staff level, conducted hundreds of interviews across multiple products, and handles **performance management**. Owns live-site health and **Sev1 incident response**, and presents incident findings and AI/LLM engineering technique - agent loops, graphs, tool use - to groups across the company. 61.7% of sessions are mobile and CLS is held at 0.037; built to WCAG 2.1 AA under **PCI, SOC 2**, and E-SIGN obligations. Submissions flow to arc OS, a WPF / .NET desktop application used by Credit Union representatives.

Principal Software Engineer — Mortgage Origination Solutions (2020 - 2021) - Worked primarily on the **Enterprise Sales Portal (ESP)**, a hybrid Angular application embedded in an MVC .NET Mortgage LOS, modernizing the loan officer origination experience in a single shared repository worked by **100+ onshore and offshore developers**.

Sr. Software Engineer — Enterprise Architecture (2019 - 2021) - Created a proprietary class-based styling system, a **Shared UI Library** (modals, tooltips, grids, toasts), and modular Web Components on **Angular Elements** (bi-directional chat, JSON form builder, admin portal). Distributable via private npm feed or packaged to run on any JavaScript-capable app, with **zero third-party dependencies**.

Software Engineer — AutoSMART (2018 - 2020) - Consumer retail autosshopping application aggregating inventory from **tens of thousands of US dealerships** into a white-label experience for **hundreds of credit unions**. Built the ground-up Angular SPA reimagining while maintaining the legacy application.

FULL STACK DEVELOPER @ ELEVEIGHT

2018 | IRVINE, CA

b2b/b2c startup matching education and employment grants with qualified candidates. Built login / auth, registration, document upload, and a **CSV parser for extremely large datasets**, on React, React Native, .NET, and Node.js.

PRODUCTION MANAGEMENT @ DREAMWORKS ANIMATION

2013 - 2018 | GLENDALE, CA

DWA holds over 100 patents across animation, rendering, and software, including OpenVDB, an **Academy Award-winning** open-source C++ library.

Core member of the DWA R&D team, delivering projects across Visual Effects, Motion Capture, Live Action-VFX Hybrid, VR, and AR - with production credits including **Trolls**, **Croods 2**, **How to Train Your Dragon 3**, **Bilby**, **To Gerard**, **Marooned**, **Trolls Holiday** (Augmented Reality iOS), and **The Mummy** (2017).

Full Resume, Bio, and Additional Details Available at [linkedin.com/in/TuckerScottAlleborn](https://www.linkedin.com/in/TuckerScottAlleborn)