TARANVEER VIRK
SENIOR ENGINEERING MANAGER

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👤 ABOUT ME

Strategic Engineering Leader with 10+ years of experience scaling distributed teams (12+) and building revenue-generating platforms. Expert in aligning technical roadmaps with business goals to drive profitability. Proven ability to architect mission-critical systems while fostering agile cultures that prioritize innovation and speed-to-market.

🎓 EDUCATION

McMaster University
B.Eng. Mgmt, Software
📅 Apr 2017

Udacity
Deep Learning Nanodegree
📅 June 2018

🛠 TECHNICAL SKILLS

Languages: TypeScript, Node.js, Python, Java
Frontend: React, Vue.js, Angular
Infra/Cloud: AWS, GCP, K8s, Docker, Terraform
Data/Tools: SQL, NoSQL, CI/CD, Jenkins, GitHub Actions

⚙ PERSONAL PROJECTS

SMILENDIAL.AI
Architecting high-scale AI sales dialer to automate outbound workflows and lead prioritization

DROIDSMS.COM
Built Android-to-Web SMS gateway (REST API), reducing costs by $300/mo vs. Twilio

MACSMS.ME
Deployed real-time SMS transit bot for Hamilton, scaling to 1,500+ daily active users.

🏢 CONSTANT CONTACT

💼 SENIOR ENGINEERING MANAGER   Feb 2025 – Present 📅

- Spearhead two high-performing teams (12 engineers) across the US, Canada & India, driving critical initiatives for Social Product and Reporting
- Built the Social Product team from scratch and architected the end-to-end Canva integration, delivering seamless design-to-post workflows
- Architected the social post analytics system and currently leading the modernization strategy for the company's foundational tracking & reporting infrastructure
- Achieved 5% growth in connections and 8% in posts created by optimizing connection flows and Instagram/TikTok integrations

Tech Stack: Java, Node.js, TypeScript, React, MySQL, GraphQL, AWS (Lambda, SQS, DynamoDB), Kubernetes, Docker, Jenkins

🏢 CLEARCO

💼 SENIOR ENGINEERING MANAGER   Feb 2023 – Feb 2025 📅

- Directed Data Science & Capital teams to engineer a sophisticated underwriting system serving as a primary driver of company profitability
- Oversaw 15+ third-party API integrations and aligned technical strategy with business objectives to directly drive revenue growth

💼 ENGINEERING MANAGER   Aug 2021 – Feb 2023 📅

- Spearheaded development process optimizations, resulting in a 300% improvement in efficiency and faster time-to-market for key features
- Mentored direct reports to achieve 3 promotions within one year while driving cross-team cooperation for complex feature releases

💼 STAFF SOFTWARE ENGINEER   Nov 2020 – Jul 2021 📅

- Architected and delivered a mission-critical system that ensured 100% uptime and reliability during peak end-of-month sales operations

Tech Stack: NodeJS/TypeScript, Python, Vue, PostgreSQL, GCP, Kubernetes, Docker, Jenkins, GitHub Actions

🏢 IBM

💼 STAFF SOFTWARE ENGINEER   Jul 2020 – Nov 2020 📅
💼 SENIOR SOFTWARE ENGINEER   Oct 2018 – Jun 2019 📅

- Architected microservices achieving 99.99% uptime and 5x faster response, while managing multi-tenant Kubernetes cluster for mission-critical apps

💼 SOFTWARE ENGINEER (OPEN-SOURCE)   Jun 2017 – Sep 2018 📅

- Architected and implemented critical framework features including the CLI, Database Connectors, and OpenAPI spec compliance for LoopBack 4
- Managed open-source community engagement, reviewed external PRs, and authored technical documentation to drive framework adoption.

💼 APPLICATION SOFTWARE ENGINEER   May 2014 – May 2017 📅

- Modernized legacy applications and built new cloud native software solutions across diverse domains, driving innovation and scalability

Tech Stack: Microservices, LoopBack 4, Kubernetes, Docker, CI/CD pipelines