

# Dan Ehrman

engineering manager

## [ MORE INFO ]

danehrman.com

## [ CONTACT ]

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## [ SKILLS ]

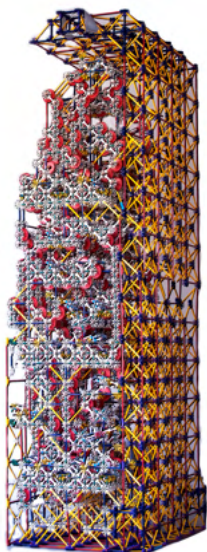
API and **service** design  
real-time processing  
**Agile** methodologies  
event-based architectures  
senior **career growth**  
distributed systems  
x-functional **collaboration**  
performance optimization  
**strategic** thinking  
mobile app development  
microprocessor design

## [ TECH TOOLS ]

**Kafka**, Samza, Conductor  
Hadoop, **AWS**, Solr  
Guice, **Redis**, Spring  
Grafana, New Relic  
**Kibana**, MPI, CUDA

## [ LANGUAGES ]

**Java**, C/C++, **C#**, Python  
Objective-C, Swift, JS  
**Assembly**, embedded C  
Lisp, Bash, Verilog, VHDL



- '21–now **Software Engineering Manager 3** Stripe – Seattle, WA  
Enterprise and SMB, full-stack: Buy Now, Pay Later
- Released 2 new 3rd-party payment provider integrations to the public, free of any critical bugs; processing millions of dollars in volume to date
  - Managed custom integrations with critical, high-revenue partnerships (e.g. DoorDash, Wayfair, Affirm)
  - Established a reputation for excellence in sourcing and closing a diverse set of engineers
- '20–'20 **Software Engineering Manager (L6)** AWS – Seattle, WA  
Enterprise, full-stack: AWS Service Catalog
- Joined as a senior engineer, then returned to management for a team of 10
  - Helped enterprises more easily and affordably provision stacks of services
  - Drove improvements in operational excellence and development practices
- '19–'20 **Software Engineering Manager 3** Redfin – Seattle, WA  
Customer-facing and enterprise, full-stack: RedfinNow
- Ran engineering for Redfin's nascent, high-growth home-flipping business
  - Responsible for Redfin's core home valuation service
  - Delivered exec-level 2020 strategy for our home valuation technology**
  - Served as engineering liaison for the real estate industry, and successfully pushed for industry adoption of new technology practices to boost SEO
  - Delivered multiple projects on tight timelines in collaboration with 3rd parties, to increase digital revenue and expand to new markets
- '17–'18 **Software Engineering Manager 2 → 3** Redfin – Seattle, WA  
Customer-facing, full-stack: Owner Engagement
- Started a team, grew it from 3 to 7 engineers, grew 2 ICs into managers
  - Defined key business metrics, grew our core metric more than 500%
  - Responsible for 4 product areas: acquisition, retention, digital revenue, and new business
  - Led the development of key low-latency, high-availability services handling tens of millions of requests per day**
  - Designed 2 novel caching strategies, yielding significant latency and cost reduction, as well as a more reactive end-consumer UI
  - Drove adoption of event-driven architectures throughout the organization
- '14–'16 **Software Engineer 1 → 2** Redfin – Seattle, WA  
Customer-facing, full-stack, Notifications
- Scrum master throughout a critical 2-year rearchitecture and migration
  - Migrated batch-oriented, on-premises notifications system to highly scalable and reliable event-based pipeline capable of deploying to AWS; handling hundreds of millions of events per day as of 2020**
  - Beyond my core responsibilities, redesigned the iOS app in a one-month blitz to turn around a key revenue-impacting metric
- '12–'14 **Microprocessor Design Engineer 1 → 2** LSI (now Intel) – Allentown, PA  
Enterprise-facing, hardware, Axia Mobile Communication Processor

## education

- '12–'18 **Master** of Science (MSECE) Georgia Institute of Technology  
computer architecture, distributed systems, machine learning
- '07–'12 **Bachelor** of Science (BSCompE) Purdue University  
AI research (automated reasoning), firmware design, microprocessor design

## mechanical computer project

2011–now. **Mission: to educate, with code on gears.** danehrman.com/knex-computer