

# Dave Anderson

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Polyglot full-stack software developer, striving to leave things better than they were using the best of engineering practices with agile and XP methodologies, across the stack from front to back and from team to org.

## TECHNOLOGIES AND LANGUAGES

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- Languages: Python, TypeScript, Ruby, Go, Java, SQL, HTML, CSS
- Technologies: Django, React, GraphQL, Rails, Docker, Postgres, Redis, RabbitMQ, Storybook
- Working Exp: Terraform, Kubernetes
- Other: XP, TDD, Lean, Kanban, Continuous Delivery, Event Driven Architecture, Figma, Miro, Mermaid

## WORK EXPERIENCE

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<b>Stride Consulting - Lead Consulting Software Engineer</b>	<b>2022-Present</b>
<i>Managing Lead Consulting Software Engineer</i>	2020-2022
<i>Lead Consulting Software Engineer</i>	2019-2020
<i>Senior Consulting Software Engineer</i>	2018-2019
<i>Consulting Software Engineer</i>	Sep 2016-2018
<ul style="list-style-type: none"><li>• Embed as a Full Stack developer in client environments on teams of around 10 consultants in organizations ranging from early stage startups to 100+ engineers.</li><li>• By project, adopt roles of technical expert, team lead and stakeholder manager.</li><li>• Adapt to client organization norms, processes and technologies to deliver software and foster continuous improvement of technical and collaboration practices.</li><li>• Balance delivery pressure for project results with client and consultant engineer growth on dynamic projects with close timelines of typically 6 months.</li><li>• Refine and prioritize technical implementation into a series of vertical slices of continuously delivered features with product managers and teammates.</li></ul>	
<b>Infosys - Technology Lead</b>	<b>2014-2015</b>
<i>Technology Analyst</i>	2012-2014
<i>Senior Software Engineer</i>	2008-2012
<i>Software Engineer</i>	Jul 2006-2008
<ul style="list-style-type: none"><li>• Lead a distributed team of 12 full stack developers managing a portfolio of 3 validated healthcare and financial applications and manage stakeholders onsite.</li></ul>	

## SELECTED PROJECTS

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<b>MoveHQ - Military Moving CRM Approvals &amp; Notifications Platform</b>	<b>2022</b>
<ul style="list-style-type: none"><li>• Tech lead of full stack team with 9 engineers and 2 product managers.</li><li>• Maintain team focus on building general-purpose API and DSL in Ruby &amp; Rails for events, approvals and notifications to empowered partner teams across an organization of ~70 engineers to build features with minimal effort and guidance.</li><li>• Build platform MVP using cross-team kick off &amp; collaboration with diagramming of early use cases (Mermaid and Miro) to understand complex sequences of events.</li><li>• Synthesize best practices, principles and technology selection for Event Driven Architecture and Notification Backends into RFC presented to engineering leadership (VP, Staff, CTO) and partner teams.</li><li>• Guide implementation of Event Broker (AWS SNS &amp; SQS) and Notification Backends (AWS SES &amp; SNS) in AWS GovCloud with Terraform, Kubernetes and Helm.</li></ul>	

- Lead sessions with senior engineers to ensure critical metrics to trace distributed Event Driven Architecture are implemented in DataDog Sessions, Traces and Logs.

## Presence - EdTech SaaS MVP Delivery

2021

- Engagement and Tech lead of 8 consultant engineers and 2 product managers, embedded with 4 client engineers, 2 product managers, 2 designers, 3 QA.
- Discovery, estimation, and Phased MVP delivery for TypeScript, Angular, Python, Django app with Stripe Integration.

## Peloton - Commercial Web Delivery & Optimization

2020-2021

- Individual Contributor and coach for new Tech Leads on team of 12 eng and 1 product focused on cross platform concerns and tasks for commercial and studio sites.
- Tune Performance of React app through DataDog Real User Monitoring, React Dev Tools profiling, Webpack bundling to reduce metrics like FCP from 4 seconds to ~0.3 seconds.
- Optimized screen reader experience and removed all major accessibility violations.
- Expanded localization to more countries through GraphQL-based content management.

## P|XY - Restaurant Data Exploration

2020

- Engagement Lead for team of 3 developers and 1 product manager on 2 week Design Sprint for early stage discovery, ideation, and user interviews for restaurant data visualization.
- Implemented a prototype over 6 weeks in React, TypeScript, Django, Graphene and ChartJS.

## Joor - Retail Inventory Planning Delivery & Replatforming

2018

- Engagement lead of 8 consultant engineers across two teams embedded with client.
- Mentored client leads and helped grow the client organization from 10 to 40+ developers.
- Leverage strangler pattern to replace legacy application pages with JavaScript & React SPA.
- Implement highly responsive GraphQL API for dynamic spreadsheet-like application with Python, Django and Graphene by pushing complexity into backend and seamless Apollo cache updates through mutation response.

## OPEN SOURCE & SPEAKING

### Python & GraphQL contributions:

- [Graphene](#) 2019: Helped triage issues and provide community support. [Baselined documentation](#) to streamline adoption and support. Top 6 of all-time LoC contributions.
- [Tutorial: Pycon 2019 - Building Evolutionary API with GraphQL and Python](#). Designed and presented a paid half-day tutorial on building Relay-compliant GraphQL API in Python.
- [Talk: PyGotham, PyCon Italia 2018](#) - GraphQL - A Choose Your Own Adventure for Client Web Services.

### Co-host of [Rabbit Hole Podcast](#):

- ~1,000 weekly listeners, ~2,500 peak episode downloads, 387,161 all-time downloads.
- 200+ episodes on topics including:
  - [126. Functional vs Object Oriented Paradigms w/ Sandi Metz](#) ; [218. Deep Practice & Becoming a better developer](#) ; [82. Seven Wastes of Software Development](#) ; [100. 9 Roles for Creating Results or Growing a Team w/ Esther Derby](#) ; [121. Feedback Loops w/ Pragmatic Programmers](#)

## EDUCATION

### Recurse Center

2015

Recurser. *Self-directed study of Python, ML, data analysis & visualization.*

Manhattan, NY

### Rutgers University, School of Engineering

2002–2006

BS Mechanical Engineering *cum laude*.

New Brunswick, NJ

## INTERESTS

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- Hiking & land conservation. Electric cars & energy efficiency. Music & improvisation.