

## Daniel Linder

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Camas, WA and Remote

**SUMMARY** Experienced software developer and engineering leader seeks to build great software as either a hands-on manager or individual technical contributor. I specialize in a broad range of backend skills valuable to early-stage startups, but always keep the bigger picture in mind.

**EXPERIENCE** The Long Now Foundation (<https://longnow.org>) 2015 - 2025  
*Technical Lead*

- Modernized and stabilized all production systems to SSL-protected, highly-available services using RDS database instances, load balancing, caching, and S3-backed CloudFront CDNs for all static assets.
- Located, transformed, and loaded 25 years of donation records into HubSpot CRM, giving management a complete historical view of donor activity.
- Designed and coded a replication fabric enabling a 360° view of donor activity synchronized across HubSpot CRM, Stripe, Shopify, and Django-based membership system via APIs, webhooks, events, and asynchronous job queueing.
- Migrated site search to Algolia, wrote event listener to trigger reindexing of items from multiple sources as updates occur.
- Transitioned payment providers without customer churn via concurrent provider operation with card expiration and by orchestrating secure porting of payment card data from legacy provider to Stripe.
- Avoided costly rewrite by extracting legacy business logic to REST API endpoints, facilitating transition to React frontend.
- Migrated WordPress to Ghost, including assets and legacy character set handling.
- On-call for all production systems.
- Cut IT spend by nearly half without degradation of service via budgeting, service consolidation, and management of vendor relations.

StyleSeat, Inc. (<https://styleseat.com>) 2011 - 2015  
*Senior Software Engineer*

- First engineering hire at a category-defining startup.
- Contributed across the board to every aspect of the early product, including frontend and backend coding, debugging, profiling, and optimizing of calendaring, scheduling, search, and mobile API.
- Built client payment card processing and marketplace provider ACH payouts, including several payment gateway transitions.
- Implemented cross-functional team model: engineers deployed into feature-focused teams composed of front- and backend engineers, product managers, and designers, while maintaining contact within “homerooms” to manage technical business.
- Increased customer revenue by leading payments team in creating a low-friction customer experience, including automatic charging and SMS/app-based tipping.
- Worked with product managers and designers to break complex requirements into actionable agile stories and then with engineers to assign point values to those stories to prioritize for implementation.
- Implemented unit tests in Django’s built-in test framework to achieve 90% coverage, including mocked and actual API responses from third-party APIs.
- Developed on-call rotation for all production systems.
- Led several team-building exercises, including “Fancy Fridays”, a whisky appreciation club, and a legendary fish taco fry at our offsites.

Current TV 2007 - 2011  
*Manager, Backend Software Engineering (2008 – 2011)*  
*Lead Backend Software Engineer (2007 – 2008)*

- Managed a team of five backend software engineers: 360° reviews, 1:1 meetings, hiring and retention decisions, career trajectory, skills development.
- Led re-architecting of backend as an easily-consumable REST web service, leading to collaboration between otherwise-unlikely partners.
- 0-downtime releases via API backwards-compatibility and database replication.
- Introduced pattern of stubbing out APIs to provide fabricated test data early in development cycle to accelerate frontend development.
- Led a well-received Hack Day, extracting closed-caption data from our broadcast signal to display relevant site content synchronized to television.
- Working with Will Wright and Stupid Fun Club, led the creation of the *Story-Maker* API for the audience-written TV series *Bar Karma*.
- Built a web scraper to pull audio-visual and text content for social news site.
- Implemented site search: query analyzer, stemming, faceting, ranking.
- Developed on-call rotation for all production systems.

University of Illinois 2000 - 2007  
*Software Developer, Disability Resources and Educational Services (2002 – 2007)*  
*Teaching Assistant, Dept. of Computer Science (2000 – 2002)*

- Development and sales of the Accessible Web Publishing Wizard, a W3C standards-compliant tool for Microsoft Office. Sold several large site-licenses before exit.
- Fixed hardware autorepeat in XFree86 keyboard accessibility and open-sourced Sun-compatible configuration utility to allow consistent UX across computer labs.
- Improved casenote efficiency via email ingestion and LDAP-driven autocomplete.

Abstract Implements, LLC (<https://abstractimplements.com>) 2000 - Present  
*Principal (2000 - Present)*

- Designed dashboards and kiosk displays, defined maintenance tasks on a custom time-series database, and improved performance through JVM tuning and GC selection for a solar monitoring and control platform.
- Built award-winning MVP web app for a mesh-networked data platform that monitors coin-op games, including dashboards, email / SMS alerting, and the API called by the embedded hardware.

**SKILLS** Python, Django, Django REST Framework, FastAPI, Celery, SQS, RabbitMQ, Solr, Lucene, Algolia, MySQL, Postgres, RDS, AWS, EC2, CircleCI, New Relic, Sentry, React, ffmpeg, On2 Flix, HubSpot, Stripe, Shopify, Java, C#

**AWARDS** *Amusement & Music Operators Association Innovator Award*, 2012  
*Emmy, Interactive Television*, Current TV, 2007  
*Webby, Best Practices*, Current TV, 2007  
*“Incomplete List of Teachers Ranked as Excellent by Their Students”*, UIUC, Multiple

**EDUCATION** *Master of Computer Science*  
*Bachelor of Science*, Computer Science, College of Engineering; Honors  
University of Illinois, Urbana, IL

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