Daniel Lemmon
Staff Software Engineer

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Objective

Daniel seeks to join a growing and innovative technology company making an impact in people's lives and where his expertise in tech design, quality focus, dramatically reducing tech debt friction via automation, tooling, and documentation will find a mutually beneficial career for years to come.

Industry Skills

Programming Languages:	Java	Go	Ruby	Python	JavaScript
Configuration & Data:	JSON	ProtoBuf	YAML	Ion	XML
Data Format Processing:	JSON Schema	Swagger & OpenAPI	jq	RecordStream	GraphViz & DOT
AWS Technologies:	DynamoDB	Lambda & EKS & EC2	ECR	Terraform	S3
SQL Technologies:	PSQL	RDS & Aurora	MySQL	Sqlite	ActiveRecord
Web server & Templating:	Rails (Ruby)	Mustache (all langs)	eRB (Ruby)	HandlerBars (JS)	Flask (Python)

Experience / Education

(2021-) Shippo - Staff Engineer; *Building Blocks Cloud Infrastructure* team
- At Shippo, a shipping e-commerce unicorn, served as an individual contributor and architect
- Led the Architecture Guild with the most official documentation and live design feedback
- Main developer for one of Shippo's first microservices, and wrote on a key challenge here:
  - https://shippo-engineering.medium.com/643e546648c8
- Spearheaded 3 different successful initiatives to make declarative one-liner tests a reality
- Received many structured praises for unblocking, highlighting options, and showing tradeoffs

(2014-2021) Amazon - Senior Software Engineer; *Digital Ordering*, *Customer Reviews*, & *Alexa* teams
- At Amazon overall, contributed 100k+ Java lines of code, 10k+ in Ruby, and 1000s in JS
  - Proud to have removed over 2x more lines, all while focusing on both Quality & Quantity
- Hired as SDE but consulted heavily in testing with that passion: a virtual SDET and champion
  - Gave 2 internal Test Talks (100+ attendees): 1 on Pre-Prod Testing Envs & 1 on Test Data
  - Gave testing presentations at Amazon internal quality conferences in Seattle & Madrid
  - Performed deep dive analyses on actual and potential audiences for cross-org Quality group
- Mentored 5 interns, 3 directly and 2 mentoring the mentor + curating the project for all of them
  - All 5 were able to create and own a brand new self-contained internal microservice
  - All of these interns were extended job offers and all of them were hired full-time at AMZN
  - The majority of these microservices still serving traffic, most with 5+ years in use

(2007-2014) Amazon - Software Development Engineer; *Prime* and *Digital Ordering* teams
- Prime was first team after college, growing there for over half a decade
  - The primary engineer for multiple front-end & back-end overhauls of Prime landing page
  - Led in Prime launch for France, in Italy, and Spain, as well as numerous US improvements
- Created a Rails REST API+UI aiding development & testing creating customers/addresses/orders
  - Mix and match UI used by 1000s of tech & non-tech employees for exploratory testing
  - That new API used millions of times per year by CI/CD automation + periodic cron-like tasks
  - Initially a solo project but guided it to a dedicated team and 50+ contributors across orgs

(2001-2007) Brigham Young University, with (2006) Intel internship in final summer
- Graduated cum laude with a B.S. Computer Science, together with Math & Logic minors
- For 1st gen Intel Core 2 processors, ensured arithmetic flags continued working using a DSL