Brendan M Luchen

Senior Full-Stack Engineer

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Synopsis

Versatile and motivated Full-Stack Engineer with Frontend and DevOps capability.
10+ years of experience building, fixing, and scaling web applications.
Equally comfortable owning features cradle-to-grave or pairing on a week-old heisenbug.

Employer

John Turner Consulting (consultjtc.com) **Portsmouth, NH**
Asphalt Plant Technician August 2024–present

Strategic Engineering Solutions that Exceed Expectations

Prior Employers

Archipelago AI (archipelago-ai.com) **Distributed Remote**
Founding Software Engineer, Full Stack April 2024–March 2025

Work smarter, chat less.

- Architected and implemented scalable microservices using Kotlin and Ktor
- Designed resilient database integration patterns using jOOQ and TiDB
- Integrated klogging to emit structured logs from the api server backend
- Developed and verified the first end-to-end integration between frontend, backend, and database layer
- Mentored grad student intern towards introducing Kotlin unit testing
- Collaborated with UX designer to establish process and plan a Storybook-based design system

Technologies: Kotlin (Ktor, Klogging, Koin, jOOQ) · TypeScript (NodeJS, SvelteKit, TailwindCSS) · IaC (GitHub Actions, Ansible, Docker, Dagger CI) · MySQL (TiDB)

BCNC (bcnc.net) **Boston, Massachusetts (Hybrid Remote)**
Technology Support Specialist September 2023–March 2024

Adult Education and Workforce Initiatives.

- Managed electronics inventory, offered live tech support, and streamlined IT operations

Technologies: Squarespace · Zapier · Sharepoint · QR Codes

Teikametrics (teikametrics.com) **Boston, Massachusetts (Hybrid Remote)**
Software Engineer II (SE2) February 2019–January 2023

The AI-powered platform to optimize and grow your ecommerce business on Walmart & Amazon.

- Introduced i18n to the React frontend
- Delivered a billing backend enabling some $25k of MRR to be automatically invoiced and charged
- Launched a documentation system for Flywheel's event-driven architecture, leveraging AsyncAPI
- Designed and implemented a scalable and secure cloud-based microservice-logging system
- Championed a dynamic, collaborative, safe, and healthy culture

Technologies: PostgreSQL · Docker · Heroku · Ruby · Rails · React · TypeScript · Scala · Cats · Java · Spring Boot · Redis · TailwindCSS · Python · Bash · Golang · Datadog · Terraform · Kubernetes · AWS · Elasticsearch · Logstash · Kibana · Monorepo · SOA/Microservices · EDA

Shipped Software

OverClocked Jukebox (2019): Web jukebox for VGM arrangements from ocremix.org (http://ocjb.me)
Vec (2015): Procedural arcade game Windows/Mac/Linux (https://cheezmeister.itch.io/vec)
Chromathud (2013): Educational puzzle game for PC and Xbox Live Indie Games (https://is.gd/chromaReview)
Modern Warfare 3 (2011): Multiplatform console/PC FPS game (© Activision)
Haiku for Android: Thin client to Epic's EMR (© Epic Systems Corporation)
Flywheel: The eCommerce Seller's Operating System (© Teikametrics)

Skills

	Proficient	Competent	Familiar
Programming	Java, Kotlin, Scala, JS/TS/ ES2015+	Python, Ruby, C, C♯, C++	Perl, Haskell, Elixir, Elm, Golang
Markup/Data	Markdown, JSON, HTML, SQL	Haml, Pug, TOML, XML	YAML, Sass, Terraform
Libraries/API	Spring, NodeJS, React	Rails, OpenGL, Angular	Phoenix, Ionic
Tools/Software	git, Vim, tmux	Docker, Heroku, GHA, Jira	GDB, Terraform, k8s, Ansible
Natural Language	English (native)	Spanish	Japanese, German

Education

Rochester Institute of Technology — Rochester, New York
Bachelor of Science: Computer Science — May 2011
Magna cum laude

- Minor: German Language · Minor: Mathematics · Study abroad in Dubrovnik, Croatia

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Past Employers

Applied Training Systems, Inc. (mitratech.com) — **Seattle, Washington (Hybrid Remote)**
Software Engineer — April 2017–August 2018

Reviewsnap and Trakstar are mature and well-tuned performance appraisal and management systems.

Technologies: Python · Swagger · Docker · Ruby · Rails · React · Sass

Comcast Technology Solutions (theplatform.com) — **Seattle, Washington**
Software Development Engineer in Test (SDET) — August 2014–November 2016

Comcast Technology Solutions (formerly thePlatform) delivers a media management and publishing platform to distribute video and other digital content.

Technologies: Java · Spring · AngularJS · TestNG · OpenStack · AWS · Chef · Gatling · Jenkins · TeamCity

Amazon (amazon.com) — **Seattle, Washington**
Software Development Engineer (SDE) — June 2013–February 2014

The Platform Excellence in Fatals team is tasked with bringing customer-facing failures ever closer to zero.

Technologies: JavaScript · jQuery · Spring · Java · Hibernate · Ruby · Rails · InnoDB · Brazil/Apollo

Epic (epic.com) — **Madison, Wisconsin**
Software Developer — September 2011–March 2013

Epic Chronicles is the leading electronic medical record in the US, emphasizing an integrated patient record and continuity of healthcare across providers and time. Its user-facing frontends include Hyperspace, Canto, Haiku, and MyChart.