Brendan Luchen

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SYNOPSIS Versatile and motivated Software Engineer with budding Geotechnical capability.

10+ years of experience building, fixing, and scaling web applications.

Six months experience inspecting pavement, earthwork, and concrete.

Proven track record of positivity, collaboration, interdisciplinary and cross-functional innovation.

EDUCATION **Rochester Institute of Technology**   Rochester, New York

Bachelor of Science: Computer Science   May 2011

Dual Minors: German Language and Mathematics

- Magna cum laude
- Study abroad in Dubrovnik, Croatia

EMPLOYER **John Turner Consulting** (consultjtc.com)   **New England Area**

HMA Field Technician   August 2024–present

Strategic Engineering Solutions that Exceed Expectations

- Developed QR-code driven asset tags to track inventory of nuclear gauges other company equipment
- Designed standard concrete cylinder labels to mitigate lost samples and illegible handwriting

> **Technologies**: Troxler 3400-line Portable Nuclear Gauge

PRIOR   **Archipelago AI** (archipelago-ai.com)   **Distributed Remote**

EMPLOYERS *Founding Software Engineer, Full Stack*   April 2024–March 2025

Work smarter, chat less.

- Developed the product from concept to POC, balancing resiliency, agility, and dev experience
- Owned integration, smoke, and acceptance testing
- Mentored grad student intern towards introducing Kotlin unit testing

> **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
- Supported the resolution of a $13,000 disputed bill with T-Mobile

> **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.

- 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
- 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

SHIPPED
SOFTWARE

OverClocked Jukebox: Web jukebox for VGM arrangements from `ocremix.org` [Elixir/Phoenix/JS]

Vec (2015): Procedural arcade game Windows/Mac/Linux [C++/SDL/OpenGL]

Chromathud (2013): Educational puzzle game for PC and Xbox Live Indie Games [C#/.NET/XNA]

Modern Warfare 3 (2011): Multiplatform console/PC FPS game (© Activision) [C++/idtech3]

Haiku for Android: Thin client to Epic's EMR (© Epic Systems Corporation) [Java/Android/C#]

Flywheel: The eCommerce Seller's Operating System (© Teikametrics) [TypeScript/Python/Postgres]

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.

- Pioneered a docker-based development environment to speed up onboarding

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.

- Verified code end-to-end allowing Comcast subscribers on Apple TV to login with their Apple ID

Technologies: Java, Spring, Node/AngularJS, TestNG, OpenStack, AWS, Chef, Gatling, Upsource, REST, Literate CoffeeScript, Jenkins, TeamCity

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

Wihin the Platform Excellence org, the Fatals team is tasked with bringing customer-facing failures ever closer to zero.

- Drove company-wide initiatives to reduce HTTP 5xx and other failures
- Shared a 24/7 pager-duty rotation one out of every 3 weeks

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.

- Prototyped and developed *Haiku for Android*, Epic's mobile sidekick for physicians
- Ensured ability for providers to capture clinical images and video in a HIPAA-compliant fashion

Technologies: Java, Android, ADK, M (MUMPS), C#/.NET, VB6, Chronicles

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	Phoenix, Ionic/Angular
Tools/Software	git, Vim, tmux	Docker, Heroku	GIMP, GDB, Ansible
Natural Language	English(native)	Spanish	Japanese, German