Brendan Luchen

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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.

Deep understanding of the SDLC, Agile/Scrum methodologies, UX, DX, and techdebt management.

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

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

Founding Software Engineer, Full Stack   April 2024–present

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 processs 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)

PRIOR   **BCNC** (bcnc.net)   **Boston, Massachusetts (Hybrid Remote)**

EMPLOYERS   *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.

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

SOFTWARE   **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#]

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

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