

# LUCILLE ABLETT

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**React • React Native • TypeScript • Ruby • Python**

Full-stack software engineer with commercial experience across web and mobile applications, building on a broader technical background in geology and data science. Focused on delivering reliable, user-centred software, through close collaboration with product, design, and engineering.

## Professional Experience

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**Software Engineer**      **Olio, Remote, UK**      **November 2021 – May 2024**

- Led cross-functional redesign of **React Native** user ratings flow in collaboration with product and design, eliminating a loophole where users were blocking each other to avoid low ratings.
- Migrated Olio Collect **React** codebase from **Ruby on Rails** to **Next.js** as sole **React** developer, delivering subsequent feature roadmap **6 weeks ahead of schedule**.
- Delivered **React Native** features whilst modernising the codebase, including updating to **TypeScript**, refactoring legacy code, and implementing feature-focused testing to improve maintainability (**React Testing Library** and **TestCafe**).
- Self-taught **Ruby on Rails**, delivering backend trust and safety features including flag reporting, scam detection, and automated content moderation using **ChatGPT**.
- Served as **Scrum Master**, removing process friction by establishing ticket readiness standards and facilitating efficient ceremonies; repeatedly requested to return to the role.

**Software Engineer**      **60 Decibels Inc, Remote, UK**      **April 2020 – October 2021**

- Built client-facing portal for social impact measurement using **React**, **Redux**, and **GraphQL** with **Node.js** and **Prisma**, featuring performance dashboards and self-service survey creation.
- Created automated data processing pipelines to ingest and validate survey data and calculate metrics for client insights, using **Python**, **SQLAlchemy**, **PostgreSQL**, and **Docker**.
- Wrote comprehensive unit, integration, and e2e tests using **Jest**, **Enzyme**, and **EasyGraphQL**, achieving over 90% code coverage.
- Monitored production systems using **Sentry** and **LogDNA** to identify and mitigate potential issues.
- Mentored colleagues and shared knowledge through feature documentation, technical workshops, and company-wide product demonstrations.
- **Additional technologies:** Git/GitHub, Codeship, Auth0, Intercom, AWS S3.

**Data Scientist**      **Anglo American, London, UK**      **May 2018 – September 2019**

- Self-taught **Python** for data science and developed machine learning models to extract value from technical data, delivering proof-of-concept models within 2 weeks of role start.
- Collaborated with internal clients to identify and solve high-impact business use cases.

<b>Mine Geologist</b>	<b>First Quantum Minerals Ltd, Zambia</b>	<b>July 2013 – June 2016</b>
<ul style="list-style-type: none"> <li>Handled complete geoscience data workflow from capture through to interpretation and reporting.</li> <li>Self-taught Datamine's proprietary <b>scripting</b> language to automate geological workflows.</li> <li>Co-designed and built <b>SQL</b> mineralogical database for Sentinel Mine.</li> <li>Led technical projects and delivered reports and recommendations for resource exploration.</li> <li>Mentored graduate geologists and managed sample collection teams across multiple sites.</li> </ul>		

## Projects

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<b>Personal Website</b>	<b><a href="http://www.lucilleablett.co.uk">www.lucilleablett.co.uk</a></b>	<b>Ongoing</b>
<ul style="list-style-type: none"> <li>Cyberpunk-themed personal website built using <b>React</b>, <b>Vite</b>, <b>Tailwind CSS</b>, and <b>Framer Motion</b>, featuring animated sections, responsive design, and honeypot-enabled contact form; development accelerated using <b>Claude Code</b>.</li> </ul>		

## Volunteer Leadership

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<b>Theme Camp Co-Lead</b>	<b>Nowhere Festival (Spain) &amp; UK Burning Man Events</b>	<b>2018 – present</b>
<ul style="list-style-type: none"> <li>Co-led international community of up to 70 members in an off-grid, desert environment, overseeing planning, logistics, budgeting, volunteer coordination, and on-site operations.</li> <li>Led kitchen operations for 30-70 member camps, coordinating meal planning, procurement, and volunteer rotas, ensuring reliable meals for the community.</li> <li>Managed electrical grid infrastructure using <b>QGIS</b>, calculating power consumption and coordinating distribution across multiple camps.</li> </ul>		

## Qualifications

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<b>MSc Spatio-Temporal Analytics &amp; Big Data Mining</b>	<b>UCL</b>	<b>2016 – 2017</b>
<ul style="list-style-type: none"> <li><b>Classification:</b> Distinction.</li> <li><b>Awards:</b> Hart Prize for Most Distinguished Work.</li> <li><b>Relevant modules:</b> Web &amp; Mobile GIS: Apps and Programming (92%), Spatial Databases (82%).</li> <li><b>Research Project:</b> Machine Learning for Mineral Prospectivity Mapping (77%): <ul style="list-style-type: none"> <li>Comparison of machine learning algorithms for predictive modelling and mapping of mineralisation in SW England, in collaboration with the British Geological Survey.</li> </ul> </li> <li><b>Technologies:</b> Python, JavaScript, HTML/CSS, R, PostgreSQL, PostGIS.</li> </ul>		
<b>MGeol (Hons) Geology with Geophysics</b>	<b>University of Leicester</b>	<b>2009 – 2013</b>
<ul style="list-style-type: none"> <li><b>Classification:</b> 2:1.</li> </ul>		

## Interests

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Experimental baking, origami and paper art, science fiction, logic and spatial reasoning puzzles, hiking.