

CAMERON W. BARCLIFT

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Summary

I'm a Software Engineer with experience across multiple industries and many technologies. I find that it takes combining both domain and technical knowledge to reach the best outcomes. I'm comfortable picking up new technologies on the job and always looking for the next thing to learn to be a more effective developer.

Experience

Staff Software Engineer, Harness, Mountain View CA, Jun 2024 – Present

Staff Software Engineer, Split Software (acquired), Redwood City CA, Feb 2021 – Jun 2024

- Worked on two main focus areas: Application APIs and Cloud Data Ingestion
- Functioned as a Tech Lead for multiple consecutive projects, ranging from adding Customer facing features in existing APIs to greenfield application design and architecture.
- Primary Technologies: Java/Spring Boot, Golang, MongoDB, AWS, Azure

Software Engineer, Elexity (previously Extensible Energy), Berkeley CA, May 2018 – Feb 2021

- As the lead developer, we worked to improve solar power integration, energy management, grid demand response in commercial buildings
- Active in all parts of the tech stack of our energy management platform, including infrastructure for both cloud and on premise deployments, database and data pipeline management, application development, API design and implementation, and integration with domain specific technologies such as Bacnet and building management systems
- Primary tools: Python (Flask, Dramatiq), Postgres (TimescaleDB), Docker (Swarm), AWS

Backend Software Engineer, Arcadia Healthcare Solutions, Burlington MA, February 2016 – May 2018

Risk Analyst, Karen Clark and Company, Boston MA, December 2014 – February 2016

Professional and Personal Projects

- *Telemetry Ingestion in Azure (Split)*: Lead the team that built an ETL integration with Azure, providing ingestion of customer events and impressions from Azure into the Split data warehouse.
- *Async Pipeline (Elexity)*: Built an async, distributed, and scaling task runner on top of Python, Dramatiq, and APScheduler. This task runner was deployed to handle both company wide tasks in the cloud and building specific tasks on our local gateways.
- *Odin's Eye (<https://www.odinseye.cloud/>)*: A website that generates wind footprints for active Tropical Cyclones in the Atlantic Basin. Data is pulled from NHS discussions and run through a parametric model. Visitors can also create, map, animate their own wind footprint using the same model.
- *General Projects*: https://cliftbar.site/glances/2025-01-12_active_projects.html

Skills

Professional: Java/Spring Boot, MongoDB, Python/Flask, Docker, Postgres/TimescaleDB, Golang, Azure, AWS, C#/.NET, MS SQL Server, GIS (QGIS, ArcGIS), Linux, Agile/Scrum, Jira

Hobby: Scala, MATLAB, Ruby, Apache Spark, R Statistics Language, Visual Basic, GPGPU processing (CUDA, C++/AMP)

Education and Certifications

B.S. Environmental Engineering, May 2014 – *Tufts University*, Medford, MA

Engineer in Training (E.I.T) Certification, Certificate Number 24419, June 2014

Boy Scouts of America, Eagle Scout Rank, Order of the Arrow