

Ian Campbell Eustis

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RELEVANT EXPERIENCE

Software Engineer - Porosity; 2024 - Present

- **Optimized analytics performance** by designing and implementing a high-efficiency caching mechanism for the company's oil and gas analytics dashboard, enabling 10x greater data volumes to be rendered in sub-second constant time while reducing server costs.
- **Integrated AI capabilities** into core development processes and products, collaborating across teams to develop and deploy machine learning features that enhanced automation and decision-making for customers.
- **Worked directly with customers** to collect requirements, implement requested features, and consistently deliver results surpassing expectations.
- **Utilized state-of-the-art cloud infrastructure** to build a flexible multitenanted SaaS platform, including dynamic scheduling, inventory management, onboarding automation, self-service reporting, and multidimensional data analysis.
- **Developed offline-capable mobile app** used daily by hundreds of operators for safety- and mission-critical activities under challenging field conditions.
- **Grew the platform from one to three core modules** and supported 10x increased customer traffic and inbound data volumes.
- **Built out real-time SCADA processing engine** using Lambda, Athena, and Bedrock, working with customers to understand source data and validate efficiency gains.

Tech Lead / Software Engineer - Kinsta; 2021 - 2024

- **Developed fraud detection logic** as subject matter expert on the payments team.
- **Grew the platform from monolithic to microservice structures**, enhancing system distribution and scalability.
- **Led the development of substantial independent initiatives**, such as the creation of an advanced in-app documentation search tool tailored for the application's front end.

Software Engineer - Beekeeper; 2020 - 2021

- **Co-founded Beekeeper - an open source app for rapid deployment of a virtual wait room.** Beekeeper is a back end as a service (BaaS) designed to handle bursty traffic from one-off events.
- **Designed a dynamic throttling mechanism** using AWS Lambdas for accurately setting and tuning the number of users allowed to a client endpoint.
- **Authored a technical case-study** beekeeper-cli.github.io.

Lab Director / Chemist - Various companies; 2015 - 2021

- **Technical director** for small startup analytical testing labs.
- **Repaired and operated Mass Spectrometers** and Liquid / Gas Chromatography instruments.
- **Published technical and regulatory documentation.**

EDUCATION

M.S. in Chemistry - University of Washington, Seattle, WA, June 2015

B.A. in Chemistry - Whitman College, Walla Walla, WA, May 2008

EXTRA CURRICULAR AND LEADERSHIP EXPERIENCE

Jazz Bassist, Whitewater Guide, Climbing Instructor, Ski patrol