# Brekk Bockrath

I am a software engineer with a deep focus on JavaScript. I am well-versed in providing a good user experience built with clean and simple software. I've served in a range of roles, from individual contributor to front-end technical lead of a small front-end team of eight. I enjoy mentoring and sharing knowledge, especially when working with active learners.

I learn quickly and I'm passionate about building both clean, data-driven interfaces and the frameworks that power them. I love anything that lives in the front-end or JavaScript. For the past few years I've been learning and trying to teach the patterns of functional programming — I'm still a journeyman but I am very excited by the clarity, ease-of-maintenance and safety that FP provides. I'm fascinated by the visualizations of complex systems and programs which can be run on themselves.

Here are some open-source modules I've published:

- katsu-curry for multiple different flavors of currying in JS
- handrail for adding safety to functional composition pipelines
- entrust to allow for delegatee-last tacit programming
- blem to facilitate the creation of BEM-syntax style selectors
- snang for tacit programming in the command line

**Find more on my site:**



# EXPERIENCE

## April 2020 - Present

Front-end Tech Lead @ **ebay / mobile.de**; Berlin, Germany

- Worked as a frontend lead for a team of 6
- Maintained several legacy codebases built on top of jQuery + Angular
- Built a tool for parsing soy templates and automatically converting them to JSX / React components

## June 2019 - April 2020

Senior Front-end Engineer @ **Pincamp**; Berlin, Germany

- Worked as a front-end engineer for a team of 10
- Migrated a legacy codebase to `gatsby` ; improving page load speed by 3x
- Created tooling to help automate builds and prevent common pitfalls, using `lint-staged` and several small scripts build on top of `snang`

## October 2018 - June 2019

Front-end Developer @ **SF Networx**; Denver, CO

- Did contracting work for Long View Systems, inclduing:
    - Built an internal invoicing tool using `electron-pdf` which allowed for dynamic generation of PDFs using Markdown and `scss`
    - Built an internal CMS tool using `express` , `axios` and `oauth`

## February 2018 - September 2018

Front-end Engineer @ **Golden**; San Francisco, CA

- Served as a front-end engineer in a small team of 10
- Added integration tests via `nightmare`
- Re-built old homepage using `rollup` and `xray`
- Added "Issues" feature for suggesting changes to the content of the page

## June 2015 - August 2017

Front-end Technical Lead @ **Fanatics**; San Mateo, CA

- Served as a front-end technical lead for a team of 8
- Built two versions of a framework for CMS tool, `Lumen` , for managing the content-authoring of white-label sports sites, including layouts, components and experimentation. *Technologies*: `react` ; `redux` ; `mobx` ; `express` ; `fluture` ; `ramda` ; `scss`
- Worked as a re-platforming engineer and augmented views to support a new style / theme. *Technologies*: `jQuery` ; `postcss` ; `scss`

## Dec. 2013 – June 2015

Front-end Engineer @ **Watchwith**; San Francisco, CA

- Served as technical lead for a 2-person front-end team
- Built software for a second-screen application to keep broadcasters "in-sync" (using an external API) with television-based data, including live broadcasts. *Technologies*: `JavaScript`; HTML5; <video>; `CSS` *Integrations*: ThePlatform (Video); Telescope (Voting)

## January 2010 – 2013

Independent Software Engineering Contractor Boulder, CO

- For **Cardinal Peak**, completed functional enhancements to a television-based user navigation system for Blockbuster/Samsung. *Technologies*: `JavaScript`; `HTML5`
- For **Mischievous Grin**, developed educational game framework and proof of concept. *Technologies*: `MongoDB`; `node`; `express`; `grunt`; `mongoose`; `JSON`; `HTML5 Canvas`; `git`
- For Apple: Developed and implemented an automated image quality report generator. *Technologies*: `PHP`; `CSS`; `XHTML`
- For **Imatest**: Designed and developed server-side, database and UI components for an image quality analysis system. *Technologies*: `PHP`; `SOAP`; `MySQL`; HTML5; `CSS`; `XML`; `JSON`; `jQuery`; `scss`

## January 2012 – August 2012

Software Engineer @ **Upsync**; Boulder, CO

- Designed and implemented a client-side application for creating and editing ad- hoc HTML forms. *Technologies*: `JavaScript`; `jQuery`; HTML
- Helped develop and maintain a CMS web application which allowed syncing between servers and remote iOS devices. *Technologies*: XHTML; HTML5; `jQuery`; `SVN`; `CSS`; `sass`; `MySQL`; `WebSQL`

# Education

*Bachelor of Fine Arts*, 2009

**University of Auckland**, New Zealand

Emphasis: Computer-based graphic design; Interactive time-based media & Film