

Nick Babcock

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Software engineer with 10+ years of fullstack and tech lead experience. Developer of flagship products from startups to big tech. Passionate about upleveling myself and my teams. Author and core contributor to open source libraries with millions of downloads and thousands of stars. Past consultant for companies integrating Rust and Wasm SDKs.

EMPLOYMENT

Motif - Staff Software Engineer - (Feb 2025 - current):

- Replatform multiplayer Three.js 3D modelling app onto Rust's Bevy engine and Wasm
- Developed multi-tier testing strategy and instituted type safety between Rust and UI.
- Shipped critical BoD demo, and responsible for mentoring team in Rust and Wasm.

Dropbox - Senior Software Engineer (IC4) - (Jan 2024 - Nov 2024):

- Growth tech lead on collaborative media app with payments and marketing plays for 10M ARR
- Instituted **React** modernization, **Python** performance, and streaming upload engine overhaul
- Delivered company-wide conference talks on styling, optimizations, and state mental model

Dropp - Principal Software Engineer - (May 2021 - Jan 2024):

- Scaled operations, engineering department, and ecommerce site during pandemic surge
- Architected resilient, serverless product flows for 500,000+ subscriptions in **GCP** and **Node.js**
- Compiled site speed audit. Results: perfect CLS from failure, and 2x improvement in other vitals
- Championed error monitoring, CI/CD, code review, and **Docker** development environment
- Enacted accessibility standards in defense against drive-by lawsuits and \$100k's in expenses

TotalCAE - Lead developer (employee #1) - (May 2012 - May 2021):

- Built flagship High Performance Computing (HPC) web portal in **Python**, **C#**, and **React**
- Optimized cluster analytic engine 10,000x for world's biggest customers with **Rust**
- Cut REST API server costs by 96% in rewrite with **Java's Dropwizard** web framework and Postgres
- Wired a suite of application monitoring, alerts, and dashboards with **Grafana** and **Graphite**
- Leveraged **Postgres** for double-entry bookkeeping solution in hybrid cloud accounting
- Grew dev team 5x who iterated on bespoke partner problems within hours
- Implemented reliable ETL pipeline and webhook publisher with **RabbitMQ** message queues

EDUCATION

Bachelor of Science Engineering from the **University of Michigan**. Graduated Magna Cum Laude in 3½ years while professionally coding near full time. Hand selected by professor for **AI** competition.