

Luke Schleicher

Software Engineer — Chicago, IL

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A T-shaped backend engineer who works on meaningful tech products with healthy teams.

EXPERIENCE

LEAD BACKEND DEVELOPER — HALLOW (CHICAGO + REMOTE)

JUNE 2021 - PRESENT

- Built out an API monolith to support mobile and web apps used by over a million global users, equipped with caching, jobs, feature flagging, CI/CD, user data encryption, i18n, HLS audio, and admin tools.
- Developed a internal TypeScript package that declaratively converts models into response objects
- Served as dev lead for several cross-functional projects.
- Sped up integration tests by 4x using DB transactions and sharding.

SOFTWARE ENGINEER — TEMPUS LABS (CHICAGO)

MAY 2019 - JUNE 2021

- Matured and maintained a web-based digital pathology tool built with React, MobX, NestJS and Docker. Migrated the app to TypeScript.
- Wrote hundreds of backend integration tests, bringing our test coverage from 0% to 70%.
- Migrated apps and microservices from our legacy AWS infrastructure to GCP.
- Extended and refactored several legacy Python services to generate structured data products.

FULL-STACK SOFTWARE ENGINEER — CURATESS (CHICAGO)

APRIL 2017 - MAY 2019

- Wrote, designed, tested and documented our progressive web app from scratch with React, Redux, TypeScript, WebRTC, Twilio, Webpack, Jest, CSS Modules and Material UI.
- Created an EMR data ingestion engine to transform vendor EMR data and load it into our database. Used Ruby on Rails, Sidekiq, Redis, and Google Cloud App Engine.
- Wrote code to read raw PCM audio data from a Bluetooth Eko stethoscope, and decode, compress, and send it over real-time PubNub channels, and code to playback and visualize the audio.

TECH

NODE

TypeScript, ESLint, NestJS, Koa, Jest, Bull

DATABASES

PostgreSQL, MySQL, Redis

CI/CD

GitHub Actions, Concourse, Jenkins, CodeShip, CodeBuild

CLOUD

AWS, GCP, Docker, Terraform, Splunk, DataDog, BugSnag, LaunchDarkly, Lokalise, Firebase

FRONTEND

React, MobX, Redux, CypressJS, HTML, CSS, Service Workers, PWAs, WebRTC, Webpack

OTHER LANGUAGES

SQL, Ruby (Rails, RSpec, Sidekiq), Python (Poetry, Mypy), Elm, Rust

TOOLS

Vim, VSCode, Git, Postman/Insomnia, SQLAce/Postico, Alfred, Swagger

EDUCATION

B.A. Philosophy — Wheaton College

Software Development — A Defunct Bootcamp