

Erik Newland

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TECHNICAL SKILLS

Front-End | JavaScript (ES5 and ES6), TypeScript, React (Web & Native), Bootstrap, HTML5, CSS3, Next.js

Back-End | Node.js, Express, PostgreSQL, MongoDB, MySQL, Firebase, Cloud Firestore, Socket.io, RESTful API

Testing/Deployment | Jest, Mocha, Chai, k6, New Relic, AWS: EC2 / RDS / S3, Heroku, Netlify, Vercel

Developer Tools | Git, npm, pip, Webpack, Babel, Agile Methodology, CMS, TDD, Prompt Engineering

SOFTWARE APPLICATION DEVELOPMENT EXPERIENCE

Function Junction | Solo 3-day Hackathon | *React Router, Firebase, Bootstrap, Socket.io,* 2023
FERN stack application that matches users to solve LeetCode-style problems together.

- Complete CRUD functionality using Cloud Firestore; private routes via Firebase Auth and React Router
- Socket.io implementation that updated both users' in-browser IDE and submission i-frame

Intellifusion | *React, React Router, Bootstrap, Sanity.io* | <https://eriknewland.github.io/consultation/> 2023
Headless CMS consultation website.

- Developed a website concept tailored for a firm utilizing an existing CMS (Webflow) solution
- Leveraged Sanity Studio for effortless content maintenance and management, boosting efficiency

SunChip API | Dev Tools Engineer | *nodeJS, Express, PostgreSQL, Sequelize, AWS, Python* 2023
Back-end micro-service for an e-commerce website deployed to AWS EC2 instance.

- Implemented two-layer authentication and utilized PostgreSQL and Sequelize to ensure data security and longevity of the system architecture.
- Scaled an archaic back-end to 20x VU traffic with a sub 1% error rate and load times under 50ms
- Created suite of custom tools (csvtransformers) to help team extract and transform data that sped up our service by 25-50ms on any given query

Live Applications, Libraries | *Typescript, Node, Python, Next.js, Chrome SDK, Stripe SDK* 2023
4 chrome extensions, 3 npm packages, 2 live websites, 1 API (<https://rapidapi.com/eriknewland93/api/tokentrim/>)

- **BTC Converter** | **SaveUp!** | **OpenAI Study Buddy** | **BrainWave: Trivia Breaks**: A collection of fun extensions that utilize asynchronous actions, API calls and advanced DOM manipulation
- **rainbowBrackets** | **csvtransformers** | **clean-speech**: npm packages for front and backend usecases
- <https://gitty-iota.vercel.app/> | <https://codepengpt.netlify.app/> : Gitty is an educational git workflow website. CodepenGPT is a component-generator playground.

PROFESSIONAL EXPERIENCE

Pleb Devs | Software Engineer 2023

- Implemented new payment rails, redesigned routes and infographics, and conducted end-to-end testing using Next.js, React, and Astro frameworks.
- Streamlined deployment to Vercel & Fly.io, created Docker images and containers, and rewrote a JavaScript Telegram bot in Python, enhancing overall project efficiency and functionality

Sindolor | Operations Manager 2017 - 2021

- Created and managed cannabinoid-based medical trials with efficacy rates of 70%
- Developed and secured patent for cannabinoid-based method of use treatment for opioid addiction

Flux | Product Manager 2018 - 2019

- Improved projected yields by over 30% by re-designing hardware and sourcing better genetics
- Created product specifications, routinely presented to investors and shareholders, and interfaced with strategic partners that led to multiple investment rounds

EDUCATION

Hack Reactor | Advanced Software Engineering Immersive Program 2023

University of California, Santa Barbara | B.A. Anthropology 2016