BRIAN CHENG

BROOKLYN, NEW YORK

(510)-386-9323
chengbrian24@gmail.com
[LinkedIn](#) | [GitHub](#) | [Website](#)

Technical Skills

Javascript/Typescript, React, Next.js, AWS (Lambda, Cognito, API Gateway, IAM, Amplify, EB/EC2, CP, CF, S3), PostgreSQL, Node.js/Express, Redux, UX/UI design (Figma/Adobe/Webflow), HTML/CSS, Django, Python, Git, Liquid, OAuth2, Bash, YAML

Experience

MULTI-HYPHENATE STUDIOS | **FOUNDER/FULL STACK ENGINEER** | E2E WEB SHOP   *April 2022 – Present*

- Enabled real-time water data insights by building an Azure Synapse Analytics data pipeline; automated pollution reporting for water conservation non-profit with 400+ active donors by integrating Twilio SMS/Google Sheets API, developed custom Liquid web interfaces
- Redesigned & engineered a suite of React-based customer facing websites, optimizing performance & accessibility, resulting in a 25% increase online sales & a stronger brand presence for an aesthetics clinic/e-commerce business generating over $1 mil+ in annual revenue

KINESSO | **FULL STACK DEVELOPER** | GLOBAL DATA & TECH – AMAZON   *Mar 2022 – Jan 2025*

- Led strategic overhaul & redevelopment of critical B2B data aggregation web application, orchestrating product lifecycle end-to-end alongside cross-functional team leaders – resulting in 1st 100% early or on-time data delivery cycle in department's recent history
- Modernized legacy tech stack (monolithic architecture/on-prem systems) & reduced overall hosting costs (-21%) via lift-and-shift migration to AWS, leveraging CloudFormation for consistent resource deployment across multiple environments
- Leveraged Cognito user pools with just-in-time provisioning & Azure AD B2B integrations to streamline the user signup/authentication process by accommodating various federated IdPs, effectively alleviating a major workflow bottleneck while minimizing attack vectors
- Successfully migrated back-end API to serverless architecture, Node.js based Lambda functions within private VPCs - utilizing API Gateway & Cognito IAM roles for authorization, thus enhancing networking security practices & improving application availability
- Implement developer workflow automations & infrastructure (precommit hooks, build checks, linting & testing suites, secure cross-account AWS CI/CD pipelines) to improve engineering process quality & efficiency, increasing point output per sprint by 15%
- Served as primary contact for onboarding new engineers & built out engineering team's onboarding processes/documentation

OSLABS | **SOFTWARE ENGINEER** | ABSTRACT – MOBILE FIRST PROTOTYPING TOOL   *Mar 2019 – June 2021*

- Optimized application load times by harnessing Redux's powerful state management & global state architecture for our product's deeply nested React component structures to reduce prop drilling & unnecessary component re-rendering
- Integrated GitHub's robust REST API & OAuth 2.0, resolving the challenge of exporting generated prototype code in a progressive web app environment, while capitalizing on GitHub's battle-tested authentication infrastructure to optimize operational security
- Built a modularized Node.js backend to utilize its non-blocking I/O model for quicker processing of asynchronous requests concurrently, boosting overall performance of our web application while simplifying codebase management for future iterations
- Implemented encryption & hashing best practices (JWTs, AWS SSM, UUID, bcrypt) to protect sensitive data such as private API access keys & confidential user information, ensuring exceptional security & data protection within our application

GATHER | **FOUNDING SOFTWARE ENGINEER** | POP-UP EVENT MARKETPLACE   *Feb 2019 – Dec 2021*

- Collaborated cross-team with product managers & designers to make high level, data-driven decisions, innovate new features, & further expand product utility based on user insights & customer challenges in case studies
- Built MVP web app with Next.js for its server-side rendering (SSR) & static site generation (SSG) flexibility, increasing organic search traffic and average search engine ranking position by 32% & 10% respectively, a direct result of improved indexing and crawlability

WAVE ON-CHAIN | OPEN SOURCED DECENTRALIZED MESSAGING APP

- Developed & deployed a Solidity dApp using hardhat & React, integrating randomized rewards & rate/gas limiting features
- Implemented ethers.js library to handle all client-side interactions (wallet/transaction management, etc) with the Ethereum blockchain

Education

University of California, Riverside | B.S, 2018

Public Talks

"**Cybersecurity & Data Protection**" | Single Sprout Series '21

Leadership Experience

Zeta Phi Rho Fraternity | Academics Chair & Sigma Class President

- Spearheaded fundraising project (design, sourcing, consumer research, marketing, distribution) producing a 150%+ ROI
- Oversaw all brothers' academic progress, resulting in the highest average GPA among 38 organizations for 2 consecutive years

Interests

Sunset Chaser | Board sports Fanatic | Technology/Investing Geek | Art & Design | Meditation & Spirituality | Solo Travel