

Bryan Ngo

SENIOR SOFTWARE ENGINEER · FULLSTACK

☎ 707-718-9222 | ✉ bryanngo97@gmail.com | 🏠 bryngo.github.io/ | 📱 bryngo | 🌐 bryngo

Work Experience

Course Hero

Remote / Redwood City, CA

SENIOR SOFTWARE ENGINEER / SWE II - SEO | FULL STACK DEVELOPMENT WITH REACTJS, NODE, AWS, KUBERNETES, GOLANG, & SYMFONY

Sep 2019 - Present

- Developed & maintained sitemap architecture with AWS Athena, Lambdas, S3, & Airflow to support 100M+ unique urls.
- Deployed highly scalable Golang / Node microservices that handled up to 150k RPM with Kubernetes to support business needs & improve sitewide performance & quality.
- Utilized data monitoring tools such as Datadog, New Relic, AWS monitoring, & Kubernetes to make data-informed decisions on memory management, service performance, & cost savings.
 - Helped save up to \$200k/year by identifying a slow and expensive Athena query using New Relic
- Led and completed several successful multi-site projects from acquisitions that involved tight coordination between legal, product, and engineering.
 - Improved one of our key metrics, indexation rate, by 200%
- Owned many SEO-focused AB Tests from start to finish including, but not limited to, flexible sampling, content pruning, rich results, internal linking, and sitemaps.
- Developed an internal automated E2E regression testing tool with Node microservices & Kubernetes.
- Interviewed & onboarded new engineers through technical bootcamps.

Course Hero

Redwood City, CA

SOFTWARE ENGINEER INTERN - GROWTH | FULL STACK DEVELOPMENT WITH AWS, DOCKER & SYMFONY

Jun 2018 - Sep 2018

- Launched several AB tests around on-page SEO treatment to improve key CRO and SEO metrics.
- Improved the internal AB Test analysis platform by optimizing queries and providing more insightful metrics for all running AB tests at any given time.

Genentech

Vacaville, CA

BIOLOGICS DRUG SUBSTANCE MANUFACTURING IT INTERN | DATA ANALYSIS USING TIBCO SPOTFIRE ANALYTICS & GRAILS

Jun 2017 - Sep 2017

- Identified trends in 15+ years of drug manufacturing discrepancy data.
- Automated data analysis tools in Google Apps Scripts to save 10+ hours a month.

Education

University of California, Davis

Davis, CA

B.S. IN COMPUTER SCIENCE AND ENGINEERING, MINOR IN STATISTICS

Sep 2015 - Jun 2019

- Major GPA: 3.5/4.0

Relevant Coursework: Data Structures & Programming, Software Engineering, Algorithm Design, Programming Languages, Cryptocurrency Technologies, Discrete Mathematics, Computer Networks, Computer Architecture, Operating Systems, Computer Vision, Parallel Architectures.

Skillset

Languages (Proficient): C, C++, Golang, HTML, CSS, Javascript, Google Apps Script

Platforms & Frameworks: AWS (SQS, SNS, Athena, Cloudwatch, ECS, DynamoDB, Lambda, S3), Kubernetes, MySQL, MariaDB, MongoDB, React, Node.js, Symfony, Terraform

Useful Tools: New Relic, Datadog, Gitlab, Jenkins, Airflow, Google Search Console

Extracurricular Activities

Codepath

Remote

CODEPATH MENTOR

Jun 2022 - Aug 2022

- Met with students from the program to give direction on career & technical projects.
- Regularly pair programmed & gave career advice to my mentee.

DCSC (UC Davis Computer Science Club)

Davis, CA

CORE MEMBER '15 & SECRETARY '16 & TREASURER '17 & PRESIDENT '18-'19 & TUTOR

Sep 2015 - Jun 2019

- Built a stronger CS community on campus by providing networking & programming events to hundreds of students each year.
- Oversaw operations & annually budgeted over \$5,000 for marketing, technology, & external outreach teams.