Christian Walsh

✉ XXXXXXXXX 📞 XXXXXX 📍 Northridge, CA ⬈ cyw.io in christian-y-walsh ⭘ cywio

SKILLS

Languages Typescript/Javascript, Python, SQL, Java, C++, PHP
Frameworks & Libraries Next.js, React, Node.js, SST/Serverless, Unreal Engine 5, Tailwind, Prisma, Drizzle, Flask, Jest, Cypress
Databases & Software Postgres, MySQL, Redis, Git, Jira, Linear, Figma, Adobe XD, CircleCI, Docker, Linux
Cloud Services (AWS) EC2, RDS, S3, SQS, CloudFormation, API Gateway, ElastiCache, Elastic Beanstalk, Lambda, CloudWatch, IAM
Concepts GraphQL, REST, Dependency Injection, Infrastructure as Code, CI/CD, TDD, Microservices, Agile/Scrum, Testing & Automation

WORK EXPERIENCE

Inter Inter (Full Service Agency, interinter.co)

Full Stack Software Developer (Contract, Remote)   Apr 2024 — Present

- Implemented full design system in React and refactored large codebase to use latest Next.js and React standards which improved DX
- Built storefronts and integrated e-commerce platforms, like Shopify, using the Storefront GraphQL API

HYP (thehyp.co)

Software Engineer (Contract, Remote)   Sept 2022 — Jan 2024

- Improved backend response times by optimizing resolver N+1 problem by using special Prisma batching queries within services
- Developed a bid timer feature that resets when bidding on an item within the final minute, increasing user-engagement by 40%
- Spearheaded effort to begin A/B testing by deploying feature flags, saw an increase in conversions, reduced overall bugs with feature rollouts
- Worked on implementing full-stack features with GraphQL, Nest.js, Next.js, React, AWS and Serverless Framework
- Collaborated with team to roll-out new features, plan sprints, code reviews, and perform regression testing

SkySkopes, Inc

Software Developer (Volunteer, Remote)   Dec 2021 — Jun 2022

- Created Next.js based web-app to plan missions, manage assets, create schedules, and more that optimized maintenance operations and prevented potential problems that were mitigated and fixed before found in the field.
- Created QR code system to run specific business logic pipelines when scanned, and integrated Scandit QR Web SDK
- Integrated DJI flight log parsing library in C++ into Node.js lambda to analyze, store and convert gigabytes of flight log data to Protobufs
- Implemented automation with Airbus UTM to generate LAANC authorization requests based on mission plans, schedules and equipment

Freelance

Software Developer (Remote)   Dec 2019 — Present

- Developed for 35+ clients, ranging from full-stack SaaS web apps, automations, internal tools, e-commerce storefronts and more
- Integrated and used a multitude of different technologies and worked closely with clients to improve conversions and workflows
- Implemented scalable system designs to handle sudden traffic spikes, with one website handling over 40,000 requests per minute flawlessly
- Engineered fully custom-built B2B e-commerce platform with short deadline that within it's first month handled over $1M in transactions

EDUCATION

California State University, Northridge

Bachelor of Science in Computer Science   Aug 26, 2019 — July 9, 2024

Relevant Courses — Data Structures & Algorithm Design/Analysis, Software Engineering, Machine Learning & Data Mining, Database Design, Computer Architecture & Assembly, Operating Systems, Automata Theory and Discrete Structures

PROJECTS

Infinity Arm VR Trainer (CSUN Senior Design / Capstone Project)   Fall 2023 - Spring 2024

- Designed and developed a VR training environment for trans-radial amputees using the "Infinity Arm" below-the-elbow prosthetic and embedded foot sole controller, leveraging C++, Python, Unreal Engine 5, Arduino and Blender
- Led development of hardware-to-game input pipeline, statistic recording, and configuration. Worked closely with the mechanical engineering team to integrate stakeholder requirements in first ever cross-department student collaboration

Atlas (Open-source, github.com/cywio/atlas)   Jan 2022

- Developed a web application for building and managing Docker containers on self-hosted servers, featuring a frontend and REST API
- Integrated GitHub OAuth and webhooks for automatic deployments on Git push, created parsers to generate JSON output from SSH logs, and designed a component library and responsive UI using Next.js and Tailwind