Menushka Weeratunga

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WORK EXPERIENCE

Amplitude   **August 2024 – Present**
Senior Software Engineer   *San Francisco, CA*
- Converted library of over 50 legacy components from CSS modules and vanilla-extract to TailwindCSS to improve scalability and bundle size, resulting in a 15% improvement of Time to Interactive (TTI) score
- Migrated legacy image rendering service to new micro service, reducing cost by 50% while improving latency and throughput by 30%

Medal.tv   **June 2021 – July 2024**
Full Stack Software Engineer   *New York, NY*
- Led a team of 4 engineers migrating web pages to Next.js, achieving a 90% reduction in load times and a perfect 100% PageSpeed score
- Overhauled legacy tooling by switching to faster package managers, updating formatters and linters, and migrating to Typescript, resulting in 50% faster CI/CD pipelines and 15% lower error rate
- Improved targeted advertising capabilities to include user location, language and interests, resulting in a 20% increase in ad engagement

Loop Team   **September 2019 - June 2021**
Mobile & Web Software Engineer   *San Francisco, CA*
- Built a comprehensive iOS app from an existing web product, achieving 100% feature parity with the mobile version and 80% feature parity with the desktop version
- Upgraded the build process to Webpack 5, optimizing existing configurations and bring down the overall bundle size by 30%, improving both in-app performance and decreasing download time for users
- Modernized and abstracted the popover system, reducing over 200 lines of boilerplate code per instance, which simplified the codebase and enhanced maintainability

Taplane Inc   **April 2016 – September 2019**
Software Developer   *Windsor, ON*
- Managed a library of 20 native Android and iOS apps, deploying of updates and fixes for over 100,000 users
- Created a reusable Unity library for login and payment processing, reducing development time by 30% and cutting over 1000 lines of redundant code per project

AWARDS

Best Application of Conversational AI Using The Clinc AI Platform Award   **MHacks 11**
CureAI   *Ann Arbor, MI*
Founded a chat application capable of assisting users with mental health issues and helping find more help

2nd Place Award   **SpartaHack 2017**
LubDub   *East Lansing, MI*
Engineered a web application to read audio waveforms from a stethoscope and diagnose heart health conditions

Best Use of Linode Services Award   **MHacks 8**
Relay   *Detroit, MI*
Launched a replacement for emergency response systems to send vital info to first responders to save time

Best Use of Twilio API Award   **UofTHacks III**
commandSMS   *Toronto, ON*
Created a mobile and server application allowing users to send commands to remote servers through SMS

PROJECTS

Daily Wallpaper
daily-wallpaper.menushka.ca
A service that generates gorgeous AI wallpapers with Stable Diffusion XL and automatically changes your iPhone wallpaper to a new one every day

iOS Tweak Store
repo.menushka.ca
Launched and maintained marketplace for apps / tweaks for jailbroken iOS devices with over 200 sales and more than 10,000 downloads worldwide

next-cookie-everywhere
github.com/menushka/next-cookie-everywhere
Crafted a helper library to access cookies on both server and client side in NextJS 13 via one method call

genshindev-graphql
github.com/menushka/genshindev-graphql
Developed a GraphQL wrapper around genshin.dev and deployed it via AWS Lambda

JokeGPT
github.com/menushka/jokegpt
Built a NextJS website to interface with ChatGPT 3.5 Turbo and generated jokes given a starting prompt

cards
github.com/menushka/cards
Engineered a self hostable dashboard designed for use with Unraid and Docker for home servers

WhereToDrop
github.com/menushka/WhereToDrop
Devised a native MacOS app to customize the location where AirDrop files are saved to when received

SKILLS

Languages - TypeScript, JavaScript, C#, Python, C++, Objective-C, Swift, Kotlin, Java, HTML/CSS
Frontend - React, Redux, Angular, Vue.js, Next.js, Svelte, Electron, Tauri, Unity, Swing, SwiftUI, React Native
Backend - Node.js, Express, Socket.io, GraphQL, Apollo Server, Django, Flask, Spring
Testing - Jest, Selenium, Puppeteer, Playwright, JUnit, Mockito
Cloud - Cloudflare, Google Cloud Platform, AWS, Vercel, Kubernetes
Databases - MySQL, SQLite, MongoDB, CockroachDB, PostgreSQL, Redis
Tools - Git, GitHub, Bitbucket, Terraform, Docker, Docker Compose, Vagrant, Webpack

EDUCATION

Georgia Institute of Technology   **April 2024 - Present**
M.Sc. in Computer Science with Specialization in Machine Learning   *Atlanta, GA*

University of Windsor   **Sept 2015 - August 2019**
B.A.Sc in Electrical Engineering with a Minor in Mathematics   *Windsor, ON*
- Dean's Scholarship Award - 90% Entrance average
- Outstanding Scholars Member - Top 5% of University
- John William Beveridge Award - Community involvement

Stanford Online   **Oct 2018**
Supervised Machine Learning: Regression and Classification   *Stanford, CA*
- License: 5DBW7H3R296A