Michael McGuiness

FULL STACK DEVELOPER

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Summary

Full Stack Developer with a knack for boosting UX and efficiency using React/Node.js. Led UI enhancements that sped up development by 30% and improved page load times by 25%.

Experience

Full Stack Engineer | Sliike

Oct 2023 - Mar 2024

- Collaboratively developed and refined a suite of reusable UI components in React/Next.js, enhancing application consistency and speeding up front-end development by 30%.
- Engineered a DatePicker component from scratch, presenting a user-friendly calendar interface that boosted user engagement by 20% through simplifying date selection in booking and scheduling features.
- Leveraged advanced Next.js server components to offload compute-intensive tasks, achieving a 25% improvement in page load times and enhancing the user experience across our platform.
- Implemented a secure and user-friendly authentication system using Express, Passport, and MongoDB, which streamlined login processes and reduced development time for new authentication features by 40%.
- Integrated Stripe for payment processing, instituting robust fraud detection mechanisms that cut fraudulent transactions by 50% and elevated user trust and transaction completion rates by 35%.
- Optimized email verification workflows by employing Resend and React Email, reducing the codebase for OTP (One-Time Password) emails by 50% and increasing email delivery success rates by 15%.

Open Source Contributions

Google Flutter

PR#5347 PR#5478 PR#5496 PR#5498 PR#5521 PR#5567

- Improved documentation and code quality by extracting code snippets from READMEs into separate, test-covered compilable files, ensuring accurate syntax and reliable usage.
- Enhanced tool support by adding functionality for .java, .gradle, .sh, and .m files, integrating 9 commits into the main branch (PR #5567), improving language versatility and developer experience.

Skills

Programming Languages: Javascript, Typescript, Python, C#
Frameworks: React, Next.js, Express, Node.js
Cloud: Google Cloud Functions, Google Cloud Run, Google Cloud Storage, Firebase, Supabase, MongoDB
Test: Jest

Education

Bachelor of Science in Mathematics, Cum Laude, Washington State University 2007 – 2010
Bachelor of Science in Biotechnology, Cum Laude, Washington State University 2007 – 2010

Projects

Sliike [Link]

Summary: A comprehensive platform facilitating seamless interactions between beauticians and clients, emphasizing secure and intuitive service booking.
Features: Beautician onboarding with service descriptions and media uploads, category-based beautician search with advanced filtering, search results sorted by user's location or specified location, calendar interface for date and time selection, Stripe integration for secure payments with automatic split between beauticians and Sliike.
Tech stack: React, Next.js, Express, Passport, MongoDB, Node.js

Recreating React [Article] [Video] [Source]

Summary: A deep dive into the foundational elements of React, reconstructing its core functionalities from scratch to grasp its inner workings.
Features: Core function reverse-engineering including createElement, render, useState, useEffect, JSX transformation, and virtual DOM management, comprehensive development process documentation via a Medium article and YouTube tutorial.
Tech stack: TypeScript, Parcel, Jest, Prettier, GitHub

Harry Howard's Journals [Link] [Source]

Summary: An advanced web application that unlocks historical journal entries through a user-friendly platform, enhanced with AI for interactive engagement.
Features: Sophisticated search engine with OpenAI embeddings for conceptual similarity searches, ChatGPT integration for natural language querying, custom AI for cursive handwriting transcription, community features for shared exploration and discussion, robust data management with Prisma/Supabase.
Tech stack: React, Next.js, Node.js, TypeScript, Tailwind CSS, Daisy UI, ChatGPT API, Prisma, Supabase, Python, OpenCV

Good News! [Link] [Source]

Summary: A positive news aggregator that uses AI to curate uplifting stories worldwide, focusing on construction, healthcare, education, and peace.
Features: Automated news aggregation pipeline with minimal manual intervention, OpenAI's GPT API for content evaluation and filtering, interactive world map for regional news exploration, daily updates of positive news stories worldwide.
Tech stack: React, Next.js, Node.js, TypeScript, Tailwind CSS, Daisy UI, ChatGPT API, Firebase, Google Cloud Functions, Mediastack API