Neil Johnson

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SKILLS

Frontend: Javascript, ES6, React, Next.js, HTML, CSS, Styled Components, MaterialUI
Backend: Node.js, Express, MySQL, MongoDB, PostgreSQL, Firebase
Tools & Testing: Git, NPM, Webpack, Socket.io, ESLint, Mocha, Chai, K6, Loader.io, NGINX, AWS EC2

SOFTWARE ENGINEERING APPLICATIONS

Koigoi - Koigoi is a frontend focused single page e-commerce store | Github   2022
React | Styled Components | Axios | Node.js | Express | Cloudinary
- Created a rating and reviews component with React library and maintained numerous sorting and filtering states using React Hooks
- Modularized our application's modal, image uploader, and image thumbnail components to minimize large amounts of duplicate code
- Designed components with CSS and Styled Components without using a component library.

Atelier - Atelier is a rating and reviews API service system design for an e-commerce store | Github   2022
Node.js | Express | PostgreSQL | AWS EC2 | NGINX | K6 | Loader.io
- Built a multi-layered backend system with an initial latency of 47s and 10rps throughput and later optimized to 71ms latency and 1,000rps throughput by optimizing queries and horizontally scaling
- Benchmarked and identified bottlenecks with K6 and Loader.io and horizontally scaled with an NGINX load balancer and cache using the least connections method, two servers, and PostgreSQL database with AWS EC2 micro instances

Forte - A music social media platform where you can connect with others based on music taste | Github   2022
Next.js | Material UI | Axios | Node.js | Express | Socket.io | Firebase
- Built the friends and messaging components using Socket.io which enabled us to have a low-latency, bidirectional, event-based communication between our client and server
- Organized our data using Firebase collections and subcollections to house user data, messages, and unique room ids
- Designed and stylized components using Material UI based upon wireframes and mockups created with Figma from initial talks with our client and client proposal

EXPERIENCE

Woof Craft | Founder   Mar '20 - Apr '22
- Created, designed, and maintained an e-commerce store using Shopify with a 40-product catalog
- Managed multiple daily tasks including creating product, communicating with vendors and customers, advertising and marketing, graphic design, and accounting
- Increased sales by 215% by coordinating 15 in-person events over two months by engaging with customers and building brand awareness

Lin & Jirsa Photography | Post-Production Manager and Photographer   Jul '15 - Nov '19
- Post-Processed 214,000 images and oversaw quality control of over 1.8 million each year while working within a strict timeline
- Collaborated and led a team of 10 post-producers and mentored them on self-developed standardized practices to improve efficiency, maintain high-quality standards, minimize error, and adopt new skills
- Increased client satisfaction by consulting with clients to understand their creative vision, priorities, and timeline to achieve their desired product

EDUCATION

Hack Reactor | Advanced Software Engineering Immersive   Apr '22 - July '22
Cal Poly Pomona | Bachelor of Science (BS), Marketing Management   Sep '10 - Jun '15