Buyun (Brian) Wang

+16046005519   buyunwang@outlook.com   https://bw.casa

Profile

Software Developer with extensive experience in web and mobile application development, specializing in JavaScript (React, React Native, Astro), Dart (Flutter), and Python (Django). Proficient in building scalable, high-performance applications, with a proven track record of delivering end-to-end solutions in agile teams and as an independent contractor. Adept at full-stack development, API design, and optimizing user experiences, with a focus on performance, accessibility, and maintainability. Experienced in integrating AI-driven solutions to enhance automation and personalization.

Experience

Senior Web Developer | HoneyBadger Bitcoin & Charging| Vancouver, BC — 2025.08 - Present
Lead developer for HoneyBadger's web and mobile platforms, driving innovation across crypto exchange operations and a growing EV charging network.
- Integrated Next.js into the marketing and dashboard frontends, enabling server-side rendering (SSR) and incremental static regeneration (ISR) for faster load times and improved SEO.
- Designed and developed marketing websites using AstroJS, Tailwind CSS, Vite, and Vercel, optimizing for performance, accessibility, and scalability.
- Architected a multi-touch attribution system combining React/TypeScript frontend, Laravel/PHP backend and Bitcoin/Ethereum/Litecoin node RPC connections to track on-chain transactions and enable data-driven campaign optimization across Google Ads, Meta, and StackAdapt platforms.
- Led product and user research, conducting competitor analysis to inform roadmap priorities and align platform features with market trends.
- Directed UI/UX and product design, transforming customer insights into high-converting, responsive interfaces across mobile and web.

Lead Developer | Lopal - React Native Mobile App | Vancouver, BC — 2024.07 - Present
Founder of Lopal, a mobile platform connecting travellers with local experts through personalized, AI-enhanced travel experiences.
- Architected user schema for travellers and experts, enabling scalable profile and preference data modeling.
- Built core app infrastructure with React Native + TypeScript, including navigation, authentication, and modular state management.
- Designed onboarding and profile completion flows that generate contextual user labels for AI-driven matchmaking.
- Implemented security best practices, including token storage with react-native-keychain, input validation, and protected API access.
- Integrated GPT-4 via OpenAI API to interpret natural language trip preferences and deliver contextual recommendations.

Intermediate Mobile Developer | Greenspace Health | Vancouver, BC — 2021.07 - 2024.02
Developed and deployed mobile, web applications and RESTful APIs from concept to production using Flutter, AstroJS and Django Rest Framework, delivering scalable healthcare solutions.
- Built PocketWell, a high-performance Flutter mobile app from scratch, implementing routing, UI components, and state management, scaling to 10k+ MAUs post-launch.
- Developed Wellness Together Canada, a content-driven web application using AstroJS, serving 200k+ users nationwide.
- Engineered RESTful APIs with Django Rest Framework, optimizing backend performance and ensuring seamless integration with mobile and web clients.
- Integrated Elasticsearch to enable fast resource lookup from Contentful, improving content accessibility and search efficiency.
- Implemented comprehensive test coverage, including unit, Bloc, and widget tests using Mocktail and Mockito.
- Deployed analytics tracking with Mixpanel, capturing usage patterns and generating data-driven insights for product improvements.
- Mentored junior developers and authored technical documentation, ensuring maintainability and long-term success of mobile and web applications.

Front-end Software Developer | Ensemble Systems Inc. | Richmond, BC — 2019.05 - 2021.06
Built scalable and accessible web/mobile applications for enterprise clients across media and e-commerce domains with a focus on scalable UI development, accessibility, and performance optimization.

- Integrated Shutterfly & Tiny Prints' product search results using React and Node.js, enabling personalized, responsive cross-brand search experiences.
- Developed reusable UI components for Viacom MTV & BET+ using React, Context API, and Storybook, with full test coverage via Jest and Enzyme.
- Implemented Jetpack + MVVM architecture in an Android app to improve movie browsing UX, with Room-based offline caching.
- Built AEM components using Apache Sling, enabling dynamic content delivery for enterprise websites.
- Integrated Adobe Analytics to capture user behavior data and support predictive content strategies.
- Maintained React/Redux-based SPAs for direct marketing preference management, ensuring WCAG AA accessibility and responsive design.
- Modernized front-end codebases by migrating from CSS/SCSS to Emotion, introducing React Hooks, and reducing bundle sizes for performance gains.

Production Pipeline Technician | Sony Pictures Imageworks | Vancouver, BC — 2018.02 - 2019.04
Developed automation tools, data pipelines, and web applications to optimize film production workflows, reducing manual workload and human error for VFX artists.
- Built a dynamic web application using Django (backend) and JavaScript + Bootstrap (frontend) to automate render core request formatting, reducing human error by 70%.
- Developed Python and Shell scripting tools that automated network operations, data transfers, render farm tasks, and error handling, saving VFX artists over an hour per day.
- Optimized render farm performance, designing a priority-based scheduling system to efficiently allocate render cores, ensuring optimal processing of high-priority frames.

Skills

- **Languages:** JavaScript, Java, Dart, Python, HTML/CSS, SQL
- **Frameworks:** Flutter, AstroJS, ReactJS, React Native, Django, Meteor, NodeJS, Bootstrap
- **Tools:** Git, Postman, Proxyman, PostgreSQL, MongoDB

Education

University of British Columbia, Vancouver, BC — Computer Science, 2017

Projects

SurveyHorizon | E-Commerce Web App | Vancouver, BC — 2025.02 - Present
Lead developer for SurveyHorizon, an all-in-one shop for professional surveying equipments.
- Designed, built, and deployed a responsive web application on Vercel using a modern frontend stack including React, Tailwind CSS, shadcn/ui, and Radix UI, delivering a fast, accessible survey platform tailored for professional needs.
- Leveraged Lovable AI tooling to accelerate component design and boilerplate generation, reflecting a workflow that embraces AI-native development principles and rapid prototyping.
- Implemented React Router v6 and Redux for scalable page transitions and state management.
- Applied Vercel Analytics and HSTS security policies to ensure performance observability and secure deployments.
- Integrated Open Graph metadata and Lucide iconography for enhanced SEO and brand aesthetics.
- Continuously iterating on user experience through structured feedback loops, validating design choices with behavioural data and usability insights.

Lead Developer - Freelance | Winston UTrack - React Native Mobile App | Vancouver, BC — 2018.05 - 2018.07
Developed Winston UTrack, an application for managing educational workshops, successfully deployed on Google Play Store and Apple App Store.
- Designed and implemented authentication flow using React Navigation and optimized global state management by leveraging Redux, ensuring a seamless and secure login experience.
- Built a dynamic schedule page using FlatList, mapping real-time workshop data into structured timetable slots.
- Integrated PostgreSQL with a Ruby on Rails API-only backend, ensuring scalable student and workshop data management, successfully supporting 130+ student sign-ups on launch day.