Harrison Malone

I'm a software engineer with experience working in coding bootcamps. You can reach out to me at mail@harrisonmalone.com and read my blog at https://harrisonmalone.com

Employment

me&u | Senior Software Engineer | 2022 - Current

- Promoted from SE II to Senior Software Engineer March 2025
- Member of serve and mobile teams
- Implemented new features and fixed bugs in the menu and checkout flow (web), back of house manage app (web) and mobile crew ordering app (native)
- Worked on the Next.js frontend for web based apps, fetched data with GraphQL
- Worked on the React Native app, fetched data with GraphQL and REST APIs
- Worked on various Nest.js backend services, fetched data with gRPC, GraphQL and REST APIs for both service to service and backend to frontend calls
- Pair programmed and helped other engineers progress with work
- Wrote CSS with Tailwind
- Wrote tests with Jest, React Testing Library and Playwright
- Wrote SQL to fetch data, used Prisma and TypeORM in application code
- Used Datadog to query logs, view metrics and create dashboards, viewing logs in Datadog was critical for solving bugs and proving something was actually fixed
- Used Buildkite to monitor builds and run tasks in a build pipeline
- Responded to incidents that cause downtime and participated in post-mortems
- Participated in the on call roster

Projects at me&u

- Set up a new architecture for crew app which involved spinning up a new database service and REST API client (ts-rest), I went from writing the tech doc to implementing all that was needed to send data to the crew app frontend
- Re-wrote the authentication code for the crew app, used auth0 APIs to do token based authentication in React Native
- Implemented various frontend/backend aspects of crew app features including QR code scanning and reprogramming, wait times, updated navigation UI and item level notes
- Added E2E testing for crew app with Maestro
- Set up the Storybook project for testing and iterating on the internal design system
- Implemented features for a new Mr Yum 2.0 experience for guests known internally as flexible order and pay

- Moved from a monorepo to separate app services, this involved setting up new repos, build pipelines and ensuring that apps were able to interface with each other
- Implemented multiple different user interface elements such as buttons, cards, quantity pickers, modals, navbars, forms and search inputs

99designs | Software Engineer | 2021 - 2022

- Member of the connection group
- Fixed bugs and implemented features in the design briefs part of the 99designs user journey
- Collaborated with partners such as Squarespace and Square
- Wrote Go code in the backend services
- Wrote TypeScript in the frontend React app (GraphQL)
- Reviewed pull requests and followed good Git practices
- Wrote RFCs when trying to solve new technical problems

Projects at 99designs

- Converted the static brief system into one that's served dynamically, this involved implementing a server driven UI system
- Worked on a new client to designer system known internally as "browse jobs" where a client creates a design "job" that a designer can then express interest in
- Updated internal tooling to display user projects, this involved working with legacy backend endpoints and converting the frontend to use React instead of being rendered by a template engine

Coder Academy | Lead Educator | 2018 - 2021

- Wrote lesson material on topics such as Ruby, HTML and CSS, Rails, JavaScript, Express, AWS, MongoDB, PostgreSQL and React
- Helped to encourage and nurture students having a difficult time grasping key programming concepts
- Coordinated sessions with industry partners such as Australia Post and ANZ

BWS | Drive-through Attendant | 2012 - 2016

- Worked at various stores across Melbourne serving customers and packing shelves

Education

Le Wagon | Coding Bootcamp | 2018

- Intensive coding bootcamp where I learnt some software engineering basics. The course taught me programming fundamentals, databases, source control and frontend tools

The University of Melbourne | Bachelor of Arts | 2012 - 2015

- Bachelor of Arts with majors in media and criminology. In my final year I completed my journalism portfolio and wrote a journal article on crime insecurity

Caulfield Grammar School | VCE | 2006 - 2011

- Completed year 12 and participated in various sports and extracurricular activities