Thomas Bowes

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EMPLOYMENT EXPERIENCE

Full-Stack Software Engineer | Atlassian   **Nov 2021 to Feb 2022, Oct 2022 to Present**

Worked on Jira Service Management Data Center, a self-hosted IT Service Management solution.

- Identified inefficiencies in implementing product chaperones (new feature onboarding spotlights) with the existing chaperone component. Addressed this by creating and documenting a modernized chaperone component, which is designed to be easily implementable in both legacy and modern areas of the products front-end, bringing chaperone implementation time down to a couple minutes instead of hours.

- Utilized full-stack knowledge to implement a new custom field that allows Jira groups to be added to a support request ticket in Jira Service Management. This required interfacing with code written over 20 years ago, independently solving challenges in an environment with limited documentation and language/ framework versatility, including Java, JavaScript, Velocity, Soy, Skate, etc.

- Independently created an internal slack app called Bagel—a chat roulette app, that randomly pairs users in a channel for a social one-on-one water cooler chat. The aim of the app is to foster social connections in a remote workplace. Currently, the app is utilized across multiple team channels, including within the broader Data Center organization, promoting cross-team interactions.

- Served as a buddy to an intern, offering guidance, constructive feedback, and creating a supportive environment to ensure their comfort and growth.

- Hosted university presentations for prospective graduates and interns.

Front-End Software Engineer | Monger Tech   **Dec 2020 to Oct 2022**

An Australian IoT start-up company focusing on GPS fleet and employee management software.

- Optimized a critical back-end algorithm in JavaScript for fetching and processing IoT sensor data from $O(n^2)$ to $O(n)$ time. This substantially decreased server processing, allowing customers to send larger query ranges (i.e., from days to weeks) and receive results significantly faster (in some cases wait times have reduced from minutes to seconds).

Tutor (Teaching Assistant) | University of Melbourne   **Nov 2018 to Oct 2022**

Tutored a class of 25 students undertaking the undergraduate capstone computer science project.

- Ran and designed weekly workshops involving agile principles, working in software teams, creating documentation and presentations. In particular, the presentation workshop helped 3 out of 5 of my teams to score in the top 10% of the cohort for the final presentation.

- Provided interview advice to students, ultimately helping students pass their upcoming interviews.

EDUCATION & QUALIFICATIONS

The University of Melbourne - Master of Computer Science
Graduated with Distinction – Awarded for achieving a First Class Honors average score

The University of Melbourne - Bachelor of Science
Majors: Computing and Software Systems, Data Science

Amazon Web Services - Certified Cloud Practitioner   **2021**

Scrum.org - Professional Scrum Master I (PSM I) Certification   **2020**

TECHNICAL SKILLS

Languages: Proficient in Java, JavaScript, TypeScript, CSS, LESS, HTML, Python

Front-End Frameworks: Proficient in React; Familiar with React Native