

Iain Davis

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FULL STACK ENGINEER

Dynamic Software Engineer with more than seven years of experience, specialising in JavaScript/TypeScript with React and Java with Spring Boot. Demonstrated expertise in full-stack development, CI/CD, and cross-functional collaboration, with a proven track record of delivering high-quality, scalable solutions for enterprise systems. Skilled in refactoring for maintainability, writing clear documentation, and contributing to complex, multi-disciplinary projects in international teams.

KEY SKILLS

Front End & Back End Development | Fintech | Cloud Technologies | Product Development | CI/CD | Agile/Scrum Methodologies | System Integration | Automation | REST APIs | Cross-Functional Collaboration

TECHNICAL SKILLS

Programming Languages:	JavaScript/TypeScript, Java, Visual Basic, XML
Frameworks/Libraries:	React, Spring Boot, Docusaurus, Jest/Vitest, Playwright, Cypress
Cloud Platforms:	AWS (EC2, RDS, S3, Dynamo DB, Route53)
Databases/Technologies:	SQL (MySQL, Postgre), JPA/Spring Data
Operating Systems:	Linux, Windows, Mac OS
Software/Tools:	VS Code, IntelliJ, Eclipse, Storybook, Figma, Diagrams.net

SELECTED ACCOMPLISHMENTS

SWE II at Intuit Australia (Feb 2022 – Sep 2024):

- Contributed to the engineering effort for QBO2Tax by developing an automated data import integration between QuickBooks and TurboTax, achieving production launch in under two months.
- The team's efforts have potentially unlocked an \$8B tax filing opportunity for unincorporated small businesses in the U.S., covering 75% of entity types and benefiting over 4M QuickBooks subscribers.
- Additionally, the collaborative efforts generated \$250K in net revenue within the first two months, with over 1,100 customers successfully filing their taxes through the QBO2Tax integration platform.
- Enabled UK accountants to adopt QuickBooks Online (QBO) by implementing an MVP solution to align the platform with UK-specific accounting rules to overcome U.S.-centric design limitations.
- Participated in a multi-team effort to enable direct data import from QBO to TurboTax for the US market, mapping accounting XML inputs to tax categories, streamlining tax filing processes and reducing data entry.

PROFESSIONAL EXPERIENCE

Intuit Australia | Sydney, NSW

Software Engineer Level 2 (SWE II) | Feb 2022 – Sep 2024

Developed features for QuickBooks Online and QuickBooks Online Accountant for international markets and integrations between QuickBooks and TurboTax for the U.S. market.

HIGHLIGHTS

- Engineered critical enhancements to the Books-to-Tax system, leading to a 42% increase in user growth over 15 months due to improved scalability and user experience.
- Contributed to a 900% increase in UK book-out conversion rates after the release of Workpapers by developing system enhancements and improving the customer onboarding processes.
- Developed and implemented a front-end QBO solution to generate iXBRL-formatted statutory accounts for UK businesses, reducing manual effort, improving compliance, and expanding the scope with additional features.

CORE DUTIES

- Delivered high-quality software, including requirements gathering, design, code, and documentation.
- Collaborated cross-functionally with the 'Triad' of Product Development (engineers), Experience Design, Project Management, QA/QE, and other business units to ensure team alignment.
- Contributed to quality assurance activities, including peer reviews of estimates, designs, and code.

PROFESSIONAL EXPERIENCE CONTINUED

- Resolved defects and bugs during QA testing, pre-production, production, and post-release phases.
- Participated in Agile Development and Scrum methodologies.
- Completed additional work, such as integrating with external partners.

Intuit | San Diego, CA

Software Engineer Level 1 (SWE I) | Feb 2019 – Jun 2021

Commenced as an entry-level Software Engineer after a successful internship the prior summer.

HIGHLIGHTS

- Successfully migrated essential functions from an outdated SKU-resolution system to a new platform, working with multiple teams to safely decommission it, reducing operational costs and data centre dependencies.
- Developed a JavaFX wrapper and self-updating launcher to simplify the update process for non-technical tax experts, enhancing the user experience with effortless downloads, automatic updates, and the ability to rollback.

CORE DUTIES

- Created a JavaFX downloader client to interact with DevPortal.
- Developed an application launcher to preload the downloader client.
- Collaborated cross-functionally to migrate the obsolete C# PrISM system and decommissioning of IHP servers.

PROJECTS

Downloader Client

Developed a stand-alone JavaFX client to receive and execute browser requests, downloading form sets and developer tools for tax developers as the primary developer of this product.

- Utilised JavaFX to overcome testability challenges while collaborating with the ProSeries team to port their C# tool to Java, integrating a JavaFX UI and implementing deep linking via a custom URI scheme.
- Managed complex builds using Maven, created cross-platform Windows installers on Linux, and developed custom JUnit 5 extensions for testing.

Application Launcher

Developed a JavaFX pre-loader to ensure version consistency and rollback capability with visible UI feedback for all downloader-client users, using skills and experience from the previous project.

PrISM Sunset

Contributed to a long-running project to migrate IHP-resident PrISM services into DNA, modernising and creating a one-stop shop for tax developers with significant data model refactoring.

- Collaborated across multiple teams and locations, including PSTCE (San Diego), RELENG (San Diego), and PTG (Plano), to address staffing issues and drive the project forward.
- Translated stored procedures into Java code, gained basic exposure to GraphQL, and conducted testing using Groovy/Spock and Karate.

CDD

Handled customer support and addressed one-off feature tickets, with limited involvement in overarching projects.

- Utilised microservices architecture, working on both front-end (Angular) and back-end (Spring microservices).

Intuit | San Diego, CA

Software Engineer Intern | Jun 2018 – Aug 2018

Worked with the Identity Team to resolve accessibility issues (ARIA).

PREVIOUS EXPERIENCE

- Held several roles specialising in fine art framing and served in the US Air Force as Assistant COMSEC Manager, TSOC Watch Officer, and Secure Development Network System Administrator.

EDUCATION

- **Bachelor of Computer Software Engineering** | San Jose State University

2018

REFEREES AVAILABLE UPON REQUEST