

Adam Dilger

Full Stack Web Developer

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Education

Bachelor of Science - 2018

University of Tasmania

(Maj. Comp Sci, Min. Mathematics)

Technical Skills

- Javascript/Typescript
 - Vue/React
- Java/Spring
- Golang
- NodeJS/Deno
- C#/.NET
- SQL/ORM
- GIS
 - ArcGIS/OpenLayers
- Docker
- TailwindCSS/Bootstrap
- Serverless
 - Cloudflare Workers, Deno Deploy
- Automated Testing
 - Cypress, Playwright
- CLI tools
 - vim/git/gnu-utils/tmux

Hobbies

- Cooking
- Guitar
- Golf
- Podcasts
- Programming

I am a software developer with 6+ years of experience in a range of different technologies. I am motivated to produce work of a high quality, driven to continuously learn and improve. I am enthusiastic about working in a team environment, enjoying problem solving and collaborating with my peers.

Throughout my career, I have actively sought to expand my knowledge beyond my work duties; learning new technologies by working on personal projects. I keep up to date with the latest industry trends and best practices by listening to podcasts and reading online resources.

Experience

Full Stack Developer - *Geometry Pty Ltd*

Feb 2020 - Dec 2024

Senior-level developer tasked with designing, developing and testing features and bugfixes in new and existing codebases. In this role, I was assigned the responsibility of maintaining Geometry's core codebase, and was instrumental in the process of releasing upgrades and improvements that were consumed by a number of projects.

Geometry's applications have a heavy GIS focus, which has allowed me to gain experience in handling, manipulating, and displaying spatial data, as well as working with a range of mapping libraries and APIs.

Projects:

- ***Geometry Enterprise Platform (GEP)***
 - A template project as a base for other Geometry projects
 - Java/Spring Boot API with jQuery + Vue3 frontend
 - Spring Data JPA ORM and Postgres/MSSQL databases
- ***PlanBuild Tasmania***
 - A form/workflow based webapp to digitise existing paper based processes
 - An implementation of a GEP project

Achievements:

- Implemented NPM/Webpack/Javascript Modules into legacy Java web stack, applying across multiple projects maintaining feature parity with minimal breaking changes
- Implemented StarUML based code generator with Java/Freemarker templates, migrating from a bespoke legacy Win32 Application and proprietary file format
- Implemented daily time logging system for Geometry staff using Vue3/Tailwind/Golang/Docker, migrating from a PHP stack
- Implemented a custom Golang CLI tool to generate and manage a shared changelog.md file with structured YAML files

Associate Consultant - *RXP Group*

Jan 2018 - Feb 2020

Mid-level developer tasked with providing managed services to a range of products and technologies. In this role I worked with business analysts and clients directly to triage, scope and deliver bugfixes and enhancements in a monthly release cycle.

Projects:

- ***Aurora PAYG+***
 - ReactJS frontend with d3.js charts component
 - C#/.NET Web API deployed on Azure infrastructure, built with TeamCity CI
 - ReactNative mobile application
- ***Betfair Live***
 - ReactJS frontend with VictoryCharts component
 - AWS Python and NodeJS Lambda backends built with Bitbucket CI

Mobile Application Developer - *SEMF Pty Ltd*

Nov 2015 - Aug 2017

Solo developer tasked with design, development, deployment and support of 2 custom mobile applications. In this role I was tasked with managing the full project lifecycle and support of a mobile application deployed to both Android and Apple ecosystems.

Projects:

- Minutes of Meeting DOCX Generator iPad App &
- Take 5 Safety Report Generator iOS/Android App
 - iOS: Swift 3, CoreData, GRMustache.swift templating
 - Android: Java, iText PDF Creation Library, jsoup HTML Parser, HTML + CSS

Personal Projects

Adventory.gift - Christmas Present List Manager

- Vue3/Nuxt PWA to view, manage and update live Christmas lists for a group, deployed on Cloudflare Workers with Turso database, authenticated via Google Oauth

Better100.au - Custom Hottest 100 like Countdown Creator

- Vue3/Nuxt Webapp to create your own Hottest 100 countdown with a group of friends, driven by YouTube Search API and iframe.

E-paper display wireless dashboard

- Custom ESP32 based e-paper display to show live data from a range of sources including weather, solar power generation, with data collated/pollled from a Deno Deploy serverless function

Basic Terminal Emulator

- Primitive terminal emulator written in Swift, with Metal graphics for character rendering. A learning exercise to understand the fundamentals of terminal emulators, text parsing, escape codes and rendering.

Raspberry Pi Time Tracker

- Golang/sqlite/svelte app to track and log the time of entering and leaving the office, deployed with Docker on a Raspberry Pi, using CSS animations to display the data in the look of a radar

StarUML MDJ difftool

- Golang based CLI tool to display a coloured text diff of two StarUML ER Diagram JSON files

Australian Architects Declare Website

- A custom Wordpress website deployed on a cloud VPS with docker-compose to supersede a shared CraftCMS based solution