



# MATTHEW MILLER

## SOFTWARE DEVELOPER

📍 Perth, Australia

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## ABOUT ME

I am a full-stack software engineer with 25 years of experience. Recently, I've built a lot of web front ends using tooling such as Angular, Vue and React. I've used Java throughout most of my career, and recently have developed an affinity with Typescript.

## SKILLS

	Typescript	●●●●●
	Angular	●●●●●
	Vue	●●●●●
	React	●●●●●
	HTML & CSS	●●●●●
	Java	●●●●●
	NodeJS	●●●●●
	Groovy	●●●●●
	Python	●●●●●
	Rust	●●●●●
	RDBMS	●●●●●
	Neo4J	●●●●●
	MongoDB	●●●●●
	IndexedDB	●●●●●
	Lucene	●●●●●

## ATTAINMENTS

**The University of Western Australia** | 1994-97  
Bachelor of Computer and Mathematical Sciences  
**First Class Honours**

**Sun Microsystems** | 2007  
Sun Certified Java Developer

**Stanford University (Coursera)** | 2017  
Certificate in Machine Learning

CV source code: [github.com/matthew-s-miller](https://github.com/matthew-s-miller)  
See also: [stackoverflow.com/users/2431784/miller](https://stackoverflow.com/users/2431784/miller)

## MY CAREER

**Consultant** | 2022 - current **React** **Three.js**

### *ShockWave Technologies*

Developed a tool for modelling terrain and planning blasts. Implemented in React, using IndexedDB for storage, the systems allows for the input of site dimensions, drilling topology and explosive composition. The React based UI shows a realtime 3D model of the site, powered by Three.js

**Front End Developer** | 2022 **Vue** **Python** **MongoDB**

### *Gaia Resources*

A short project to develop a spreadsheet UI used for analysis and classification of species and flora sightings. The User Interface was based around the development of a DataGrid component developed in Vue 3. The DataGrid provided a full suite of rich features, including virtual scrolling, column resizing, cell selection and drag 'n drop.

**Senior/Lead Developer** | 2018-21 **Angular** **Java** **Neo4J**

### *MyPass Global*

Responsible for all aspects of MyPass' design and architecture. Additionally consulted to clients and managed key integrations. MyPass' architecture was built around the idea of using a graph database to model relationships between Workers and Employers, and the applicability of Certifications and competency records

**Applications Architect** | 2017 **Angular** **Java** **Postgresql**

### *Onyx Services*

Developed the web front end to a Gas Trading application using Angular. The front end architecture made use of RXJS to provide real-time position projections. This design greatly influenced my approach to front end UIs going forward

**Consultant** | 2016 **Vanilla JS**

### *SmartBeat*

Developed the web front end to an analytics dashboard.

**Senior/Lead Developer** | 2008-15 **AngularJS** **Java** **Oracle**

### *Synergy*

Developer for numerous projects over a 7 year timeframe. Projects ranged from front-end applications, such as Synergy 'MyAccount', to internal projects such as energy trading systems. Part of my role was to lead development teams of up to 6 personnel, provide mentoring, and overall technical guidance

**Java Developer** | 2007-08 **AOL UK** **Java**

**Front End Developer** | 2007 **Caplin Systems, UK** **Vanilla JS**

**Java Developer** | 2005-08 **Reed Elsevier UK** **Java**

**Java Developer** | 2005 **BankWest** **Java**

**Java Developer** | 2004 **eBooks Corporation** **Java**

**Analyst / Programmer** | 1998-03 **ASGARD Wealth Solutions**