

# Simon Lang

Software Engineer

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I'm an Aussie web developer living in Brisbane. I have a Software Engineering degree, but more importantly, *nearly 20 years of industry experience*. I specialise in modern Typescript & NodeJS development, but also have experience with a wide range of web technologies, and always love to learn new ones.

I have developed applications across a range of industries including e-commerce, online gaming, logistics and supply chain, education, finance, and more recently scholarly publishing and patents.

While my experience spans the full stack of web technologies, my passion is for frontend development and creating beautiful, engaging user experiences. When not programming, I'm most likely running around after my six year old twin daughters or working in the garden.

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## General Skills

- Extensive experience developing Web Applications at scale
- Solid foundation in software development theory
- Ability to use a debugger to track down the source of an issue
- An appreciation for factors affecting performance and security of an application
- Ability to effectively use version control to document and navigate a codebase
- Ability to work with minimal direction and read and understand existing codebases
- Meticulous attention to detail and documentation. Markdown for life
- Experience crafting interactive data visualisations for exploratory data analysis
- Experience with unit testing and Test Driven Development
- Experience with package management, build processes and continuous integration
- Experience working part of a purely remote team via Slack, Zoom and Github
- Friendly, easy going personality

## Specific Technologies

- Javascript, Typescript, NodeJS
- React, Vue, Angular
- D3, Vega
- Vim, VSCode, IntelliJ, Figma
- SQL, ElasticSearch, GraphQL

# Experience

## **iCare**

Full Stack Engineer (2022 - Present)

Instant detection of early signs of diabetic retinopathy using artificial intelligence

Technologies: Typescript, React, Kotlin, Spring, AWS

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## **Triggerfish**

Front End Developer (2021)

During a short term contract with Brisbane agency Triggerfish I helped complete a website for a high end Sydney real estate agency. The team is very impressive and has put together a beautiful and performant website.

Technologies: Javascript, Vue.js, Sitecore, GraphQL

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## **Lens.org**

Front End Developer (2016 – 2021)

The Lens provides patent free and scholarly search with detailed filtering, collection management and analysis tools. In my role as the sole frontend developer I am responsible for the entire frontend and work closely with all levels of the organisation and end users to define and validate requirements.

Technologies: Javascript, Typescript, AngularJS, React, Redux, D3, Java, ElasticSearch

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## **Codeworx**

Web Application Programmer, Team Lead (2012 – 2016)

I worked full time for Codeworx, producing a mobile web client for the Merge Gaming Poker network. The client is a single-page application that communicates in real time directly with the game servers using web sockets. Performance, security and usability are highly important.

Technologies: Javascript, NodeJS, Websockets, Test Driven Development, Microservices

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**Digicon**

Web Application Programmer (2012)

Digicon was a .NET Agency in Spring Hill (now part of Deloitte). They produced large websites, intranets and apps for corporate type clients. My role started as a fullstack developer, however I transitioned into a more frontend role over time.

Technologies: .NET, C#, Javascript, MongoDB, SQL Server

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**Self-Employed**

Freelance Software Developer (2010 – 2011)

While living in Scotland, I spent one year working primarily through oDesk (now UpWork). I also briefly worked for the Edinburgh .NET software house Open Platform who produce tools for big financial institutions and similar corporate types of clients.

Technologies: PHP, MySQL, NET, C#, Javascript, CSS

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**Kintek.com.au**

Software Engineer, Production Manager (2006 – 2010)

When I joined Kintek there were only two other staff members. They taught me how to produce professional websites. The company grew to about 10 employees while I was there, and began to specialise in making highly advanced web applications. It was a great team and I count myself lucky to have been a part of it. It was during my time at Kintek that I developed a real passion for Software Development, and the web as a platform.

Technologies: PHP, MySQL, Javascript

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**The University of Queensland**

Web Information Systems Tutor (2008 – 2009)

At University I worked as a tutor for a third year Web Information Systems course (INFS3202), and even received a tutoring excellence award which I was pretty proud of. The course covered topics such as HTML, CSS, Javascript, PHP, JSP, Oracle, MySQL and making basic web apps. It was a relatively easy subject for a lot of students but I believed it was a good, practical course.

Technologies: Java, PHP, MySQL

## Education

### **Bachelor of Engineering (Software)**

University of Queensland

2003 - 2009