

WORK EXPERIENCE

STAFF SOFTWARE ENGINEER

2015 - 2016

Brocade

Full stack engineer and team lead for the *Brocade Services Director* product web UI (built using *Python* and *Javascript*). Architect and technical lead for a next generation web UI framework currently being adopted across all *Brocade* software products based on *Node.js*, *React.js* & *Redux*.

STAFF SOFTWARE ENGINEER

2011 - 2015

Riverbed

Responsible for building technology acquired from *Aptimize* into *Riverbed's* product portfolio. Wrote reliable, high performance HTTP server code in C++ that transformed and optimized large volumes of web traffic. Co-authored a pending patent related to optimizing web assets loaded via *Javascript*. Built a distributed test automation system using *Node.js*, *Python*, *LXC*, and *Vagrant*.

SOFTWARE DEVELOPMENT ENGINEER

2009 - 2011

Aptimize

First employee at *Aptimize*, a startup that created some of the worlds first automated runtime web performance optimization technology. Involved in the design and development of the initial prototypes through to the final market ready products using C++ and C#. *Aptimize* was successfully acquired by *Riverbed Technologies* in 2011.

EDUCATION

Massey
University

BACHELOR OF ENGINEERING WITH HONORS

Majored in Software engineering. Graduated in top 5% of college of sciences at Massey University, awarded Massey Scholarship.

PUBLICATIONS AND PERSONAL PROJECTS

Github github.com/mrsharpoblunto

3D Graphics

Junkship - A game that utilizes procedural algorithms to dynamically generate detailed 3D solar systems using GPU processing. Built using C++, *DirectX 11*, and *HLSL*.

www.junkship.net

SaaS

Syncappate - A service that allows you to sync, back-up, and share the settings from your favorite Windows and OSX applications. Built using *Node.js*, *React.js*, C++, C#, *Objective-C*, and *Swift*.

www.syncappate.com

IoT

A Raspberry Pi based Wifi enabled Garden sprinkler system that can be controlled via a built in web UI or by HomeKit compatible Apps. Built using *Node.js*, *React.js*, and *Redux*.

<https://github.com/mrsharpoblunto/it-gets-the-hose-again>

Bioinformatics

Holland B., Conner G., Huber K., Moulton V. *Imputing supertrees and supernetworks from quartets*. Systematic biology, 2007 Feb;56(1):57-67

LANGUAGES AND TECHNOLOGIES

Proficient in C++, *Javascript* (both browser and *Node.js*), C#, and *HTML/CSS*. Previous experience with *Python*, C, *Java*, *Swift*, *Objective-C*, *PHP*, *Lua*, *SQL*, *MongoDB*, and *HLSL*.