

# MARK PAZOLLI

FRONT-END DEVELOPER AND ENGINEER



## Front-end developer

PRESENT TO 2015

### CONNEXITY/EXPERIAN

Led front-end development of AudienceView – a Big Data web analytics product. This included work throughout the stack both on the AngularJS front-end and Java/Spring MVC back-end.



## Technical Lead

2014 AND 2013

### WESTERN POWER

Two years as technical lead on SMART – a web-based simulation tool written in Java. Used to forecast the failure and plan the maintenance of millions of electrical assets system-wide. Involved ongoing work with statistical models to predict asset failure and on-demand processing of several gigabytes of data.

### Telecommunications Synergy

Consultancy work including:

- a) building a prototype asset management app for a national engineering consultancy, and, b) building a statistical account classifier for a local accounting firm.

2014

### Western Power

12 months using R, Minitab and Netica to develop Bayesian statistical models to predict asset failure in the Western Australian electricity network. Preceded by 18 months using analytical/statistical methods to identify the cause and solution of faults as well as a 3 year graduate program.

2012 TO 2007

### UWA

Bachelor of Science/Engineering with Honours

Majors in computer science, applied mathematics and electrical engineering

2007 TO 2001

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**Mentioned in ITNews for analytics work predicting Triple J Hottest 100**

<http://www.itnews.com.au/News/370073,warmest-100-is-back-with-new-bag-of-tricks.asp>



**Reviewer for "ArcPy and ArcGIS - Geospatial Analysis with Python" by Silas Toms**

(ISBN: 978-1-78398-866-2)



**Certified Practicing Engineer (CPEng.) – Electrical (2012 to 2015)**

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**JavaScript (inc. Node.js)** ●●●●●●●●

**AngularJS** ●●●●●●●●

**Java and Spring MVC** ●●●●●●●●

**JUnit and Jasmine** ●●●●●●●●

**Python** ●●●●●●●●

**SQL** ●●●●●●●●

**C#/.NET** ●●●●●●●●

**git** ●●●●●●●●

**ArcGIS** ●●●●●●●●

**JIRA/Bamboo** ●●●●●●●●

**Microsoft Office** ●●●●●●●●

**Adobe Creative Cloud** ●●●●●●●●

**Google Maps API** ●●●●●●●●

**Netica** ●●●●●●●●

**Minitab** ●●●●●●●●

**Regression** ●●●●●●●●

**Survival analysis** ●●●●●●●●

**R** ●●●●●●●●

**MapReduce and Hadoop** ●●●●●●●●