Brad Zacher

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SUMMARY   A passionate developer with a strong desire to learn and improve skills, and a commitment to producing the most efficient, high quality solutions to problems. Proficient in applying many languages, namely JavaScript, C#, PHP, SQL and C/C++, to solving a wide variety of problems, from designing responsive web applications to solving complex heuristic search and optimisation problems.

EXPERIENCE

Assignar	Lead Developer	Feb 2017 - Current
SA Power Networks	Software Engineer	Feb 2014 - Feb 2016
SA Power Networks	IT Graduate	Feb 2013 - Feb 2014
University of Adelaide	Computer Science Tutor	Feb 2012 - Dec 2012

EDUCATION

Bachelor of Computer Science (Honours), Software Engineering

University of Adelaide   2009 - 2012

Certificate III, Retail Supervision

TAFE SA   2009

Certificate II, Retail Operations

TAFE SA   2008

Certificate I, Information Technology

TAFE SA   2007

PUBLICATIONS

Boosting Search for Recursive Functions using Partial Call-Trees
Brad Alexander, Brad Zacher

Parallel Problem Solving from Nature – PPSN XIII   September 2014

Using Scaffolding with Partial Call-Trees to Improve Search
Brad Alexander, Connie Pyromallis, George Lorenzetti, Brad Zacher

Parallel Problem Solving from Nature – PPSN XIV   August 2016

SKILLS

JavaScript	C#	Java
SQL	PHP	C/C++
ABAP	AWS	NodeJS
AngularJS	GraphQL	React

Career History

Assignar   **February 2017 - Current**

Lead Engineer

During my time at Assignar, I have been working extensively to help the engineering team transition to a culture with a focus on quality, team accountability, and shared knowledge. We worked to implementing tools and methodologies for managing the growing the team and product, enabling code reviews, agile workflows, backed by unit and e2e testing.

Additionally, I have worked extensively with the team to build out and stabilize the platform and product, working with a combination of the technologies already in use at the company; ReactJS, NodeJS, and AWS. I have also worked closely with engineers, UX designers and management to plan and design changes to the platform so that it is prepared for the company's future enhancements and expansions.

During my time on the team, I have worked on many parts of the extensive platform; implementing new features in both the front and back ends, migrating legacy front-end code from AngularJS to React, migrating legacy back-end code from PHP to a NodeJS GraphQL API, as well as implement new build tools and CI pipelines.

SA Power Networks   **February 2013 - February 2017**

Software Engineer   **February 2014 - February 2017** *(3 years)*

After transitioning to a full time developer role at SA Power Networks, I had the opportunity to help lead the business toward a mobile future; working with SAP Mobile technologies as well as in-house mobile-first web applications.

Using SAPUI5, I helped develop the user experience for the company's first touchscreen application, delivering a set of warehouse management applications to improve the efficiency and accountability of the company's largest warehouse.

I also helped spearhead the first agile team which worked extensively with SAPUI5 to build bespoke, cross platform applications for the business. We worked within tightly constrained cycles of 3x3 week sprints; designing, building and releasing a fully featured, custom app to the business within the 9 week period. One of our apps was nominated for the Australian Engineering Excellence Award, and won a coveted High Commendation.

IT Graduate   **February 2013 - February 2014** *(1 year)*

I joined SA Power Networks as part of their graduate program, I had the opportunity to rotate through and be exposed to many different facets of SA Power Network's IT department, including various support teams (such as service desk, desktop, server and network support). Toward the end of the graduate program. I worked on a number of internal projects, developing responsive web applications to augment the business's ability to interact with its large volumes of data.

University of Adelaide   **February 2012 - December 2012** *(11 months)*

Computer Science Tutor / Practical Supervisor

As a tutor at University of Adelaide, I was required to look after classes of up to 60 students. My duties included answering any questions the students had about their course work, ensuring they correctly understood their coursework, and ensuring that they could apply it appropriately. I was also responsible for marking their assignment work as well as being in charge of looking after their safety and well-being.