

PRAJITH MANIYAN

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PROFESSIONAL SUMMARY

- Over 4+ years of experience in software development and specifically 1-2 years of web development with proven background successfully managing all facets of development, from initial design and architecture to deployment and maintenance.
- Embedded C/C++ Developer using protocols such as SNMP and basic SOAP developing multi-threaded / concurrency applications, including code analysis and performance tuning / profiling of real-time, high-volume, low-latency systems.
- Core Java Developer with experience in developing and unit testing multi-threaded applications.
- Full stack web developer using HTML, CSS, javascript, jQuery, react.js for front end, node.js, npm, express framework for backend and mongoDB, couchDB for databases.
- Highly motivated team player with an appetite to learn and master new technologies.
- Multitasking ability with the experience of handling multiple projects at a time.
- Proficient in handling various technical related queries and issues independently.

SKILLS SUMMARY

Technical Skills:

- **Languages:** C, C++, Java, Javascript, Python, SQL, Swift.
- **Server side:** Node.js
- **Web Front-end Frameworks:** React.js, jQuery
- **Web Technologies:** HTML5, CSS3 bootstrap, SASS, JSON, XML, Babel, ES6
- **Web Template Frameworks:** Embedded Javascript, Handlebars
- **Hosting services:** Heroku
- **Builders:** Webpack, Grunt
- **CI/CD:** CircleCI
- **CMS:** KeystoneJS
- **TDD/BDD:** Mocha/chai
- **Environment:** Linux/Unix
- **Web Tech Tools:** Postman
- **Cloud Computing Services:** Nectar (runs on AWS)
- **Deployment tools:** Boto
- **Configuration Management Tools:** Ansible
- **Protocols:** SNMP, SOAP
- **Code Versioning tools:** Git, ClearCase
- **Database:** MongoDB, CouchDB, MySQL, PostgreSQL
- **Scripting:** Bash, Shell
- **Machine Learning:** Jupyter Environment, tensorflow, scikit, keras
- **Project Management Methodologies:** Waterfall, Agile

PROFESSIONAL EXPERIENCE

Web Developer (Part-time) **Energy Umpire, Melbourne, Australia**

Mar 2017 – Jun 2017

Worked on an internal web application called the admin app that compares energy suppliers and provides the best rates available in the market to save money for the customers. This application automatically generates a savings report and sends an email, attaching the report, to the customer.

Responsibilities:

- Analysed, designed, tested and modified web applications with HTML, JavaScript, CSS3 for client side and Node.js, mongoDB for server side.
- Troubleshoot, investigated issues and avoided critical errors/bugs on the web applications.
- Provided maintenance and post-implementation support for the web applications.
- Maintained and made updates to the Rest API's.
- Performed upgrades from time to time or as directed.
- Created and maintained software documentation.
- Provided advice and support to other developers whenever necessary.

Achievements:

- The deployed application was smooth and free of critical bugs.

Web Developer (Internship) **Energy Umpire, Melbourne, Australia**

Dec 2016 – Mar 2017

Worked on an internal web application called the admin app that compares energy suppliers and provides the best rates available in the market to save money for the customers. This application automatically generates a savings report and sends an email, attaching the report, to the customer.

Responsibilities:

- Gathered and refined specifications and requirements based on technical needs.
- Analysed, designed, tested and modified web applications with HTML, JavaScript, CSS3 for client side and nodeJS, mongoDB for server side.
- Developed, modular site structure and code, with a focus on reusability of code
- Worked with web designers, using zeplin, to match visual design intent.
- Designed NoSQL documents, installed and setup mongodb on mlab cloud instances.
- Integrated various externally hosted web API's.
- Built different Nodejs Rest API's, mainly CRUD operations.
- Provided input into planning, design, architecture, testing, and implementation.
- Added new features to and maintaining existing applications.
- Integrated CRM for the Customer Service team.
- Made hypotheses and researched user experience.

Achievements:

- Delivered the application integrated with CMS within the deadline.
- The company took me in as a part time developer after the internship was done.

Junior Web Developer (Part-time)
TweakNets, Melbourne, Australia

Aug 2016 – Nov 2016

Responsibilities:

- Assisted in the design, coding, and testing of technical solutions.
- Advised on styling improvements for the company's official website.
- Assisted other developers with completion of bulk tasks.
- Assisted in physical and logical database design for client's web applications.
- Identified system deficiencies in few projects and recommended solutions.

Achievements:

- Started to design changes on applications after initially assisting other developers.
- Complete understanding of full stack web development.

Software Engineer
Hindustan Computers Limited Technology, Chennai, India
Client: **Brocade** – Storage Area Network (SAN)

Aug 2012 – May 2015

Fabrication of Storage Area Network Switches OS.

Responsibilities:

- Predominantly worked on the application layer of fibre channel networks using protocols such as SNMP and basic SOAP.
- Built new features/enhancements for the software from supplied specifications using C/C++ and agreed standards and tools.
- Participated in code review meetings and demonstrated the changes I had done.
- Analysed the given problem and solve it within the deadline.
- Deployment of changes using clearcase version control.
- Complete testing (Unit/Integration) before committing fix or adding new features.
- Provided technical support for the team when in need.

Achievements:

- Promoted from a bug fixer to developing features.
- Won an award for the Best developer of the quarter (Sept-Dec, 2014).

EDUCATION

Master of Information Technology
University of Melbourne
2015 – 2017

- Key study areas: Cloud and Cluster Computing, Distributed Systems, Statistical Machine Learning, Mobile Computing, Algorithms and Complexity

Bachelor of Engineering (Computer Science)
Anna University
2008 – 2012

- Key study areas: Object Oriented Programming Concepts, Data Structures, Probability and Random theory, Socket Programming

ACADEMIC PROJECTS

- **Geographical Knowledge based search** (Mar 2017-July 2017)

The objective of the project was to create a website which basically searches for addresses i.e. buildings, roads, etc with proper description which makes it easier for the user to locate. The website also involves signing up users (also involves facebook, google, twitter login) and also keep track of all the successful searches and the contributions, for the searched entity, done by them. The website ultimately offers the best user experience.

- **Australian City Analytics** (Apr 2017-May 2017)

The objective was to harvest as many tweets as possible from across the cities of Australia on the OpenStack NeCTAR Research Cloud and undertake a variety of social media data analytics scenarios that tell interesting stories of life in cities of Australia. I was responsible for creating a web application for visualizing the scenarios.

- **Character Recognition from Historic Documents** (July 2016-Nov 2016)

The objective of the project was to develop character classifiers for several historical documents, each produced shortly after the advent of the printing press. My team's job was to identify for a given bitmap image of a character the identity of that character using various machine learning techniques.

- **Snapchat Mobile Application** (July 2016-Nov 2016)

The aim of the project was to implement an iOS native mobile application like Snapchat. The application had to almost have all the features that are currently on the actual Snapchat application.

- **Secured Multi-Server Activity Stream.** (Mar 2016 - June 2016)

The objective of the project was to create a multi-server system to broadcast activity objects between several clients in the system. The language used for the project is JAVA. My team mates and I had to document all the features we added and how those worked thoroughly.

PROFESSIONAL MEMBERSHIPS

- ACS – Australian Computer Society
- CISSA – Computing and Information Systems Students Association, University of Melbourne

REFEREES

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