

Michael Tuttle

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LINKS

Github:// [tuttlem](#)
LinkedIn:// [tuttlem](#)
Blog:// [cogsandlevers](#)
Twitter:// [@tuttlemr](#)

SKILLS

PROGRAMMING

C# • HTML/CSS • JavaScript • C
C++ • Haskell • Assembly • \LaTeX
Java • Objective-C • Ruby • Python

DATABASES

MongoDB • SQL Server • Solr
UniVerse • MySQL • Elasticsearch
PostgreSQL • HBase • DynamoDB
CouchDB •

PROCESSING

Hadoop • Hive • HBase
Mahout • Kafka • Spark
Flume

CLOUD

AWS • EC2 • ECS • S3
Docker •

EXPERIENCE

FIRSTMAC | APPLICATIONS ARCHITECT

October 2000 – Current | Brisbane, Australia

- Introduced Firstmac to Linux and other Open Source initiatives, implementing technologies like MongoDB, Hadoop and Solr
- Added data stream processing capabilities to Firstmac's software stack
- Moved an existing monolithic architecture over to a container-based, cloud-deployed microservices design
- Worked on loans processing software and infrastructure for sales, pre-settlement loans servicing, post-settlement client management and online finance management
- Developed cross-cutting systems to handle online document management
- Created business intelligence tools to perform simple decisioning from OCR document extracts
- Implemented algorithms to automatically tag financial transactions using their description narrative to benefit clients' financial management
- Developed an ad-hoc rules execution framework allowing business decisions to no longer be hard-coded
- Created a full human workflow and productivity suite of software to centralise a staff member's focus
- Developed an aggregated reporting framework to maintain a consistent delivery mechanism of business data
- Created a marketing campaign system to integrate with 3rd party mailing houses and perform content delivery, all based off the aggregated reporting framework
- Managed a team of Engineering and Testing staff (10+)

LASSETERS HOTEL CASINO | PROGRAMMER

Mar 1999 – Aug 2000 | Brisbane, Australia

- Developed internet casino games that were delivered through the browser. Initially these were Java applets and later upgraded to be Flash. Software needed to adhere to government requirements before deployment
- Maintained backend gaming servers to ensure daily running
- Developed internal administration intranet and customer service portal for internal staff

INTERESTS

In my spare time, I try to work with as many different technologies as possible. Over the past few years, I've gained quite a keen interest in functional programming. I actively develop applications using Scala, Clojure and Haskell which I have found identifies with me well.

I have worked with older languages for the longest time outside of hours using my spare time to write 8086 Assembly language, C and C++.

I play instrumental guitar music when I can and try to develop new audio processing circuits using analog signal paths.