

Michael Tuttle

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LINKS

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

SKILLS

PROGRAMMING

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

MongoDB • PostgreSQL • Solr
UniVerse • MySQL • SQL Server

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
- Implemented container technologies with Docker
- Migrated applications and system infrastructure into the cloud with AWS
- 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

PROJECTS

I try to work on as many different things as I can, generally wanting to test out and write up some information on the work that I'd done. Both my blog and Github repository show some of the work that I've been doing over the years.

I've gained quite a keen interest in functional programming. I've looked at Erlang and Clojure briefly however I'd settled on using Haskell in my own projects. Only recently I have started looking at Scala.

I enjoy working at the system level and have worked with older languages for the longest time. One of my pet projects in my spare time is my own 64bit operating system. This has allowed me to exercise some x86 assembly and When I'm not writing software, I try to play as much instrumental guitar music when I can. I'm also very interested in analog circuitry; trying to develop new audio processing circuits.