THOMAS LAWTON

SOFTWARE ENGINEER

CONTACT

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🌐 www.thomlawton.com

SKILLS

Strong communication
Analytical thinking
Solutions architecture
Self-starter
Training and coaching
Team Player
Committed to learning
Collaboration with remote
teams globally
UI/UX Accessibility (WCAG)
Database design
Machine learning experience

TECH STACK

Python
Flask, Quart, FastAPI
Redis, Memcached
MySQL, Percona, PostgreSQL
Playwright, Puppeteer
Appium
Javascript, HTML and CSS
HTMX, Alpine.js
AWS, Google Cloud, Azure
Linux (Ubuntu, Red Hat)
Jenkins, CI/CD
JIRA, Confluence, Trello

EDUCATION

Certificate in Machine Learning

University of Stanford Online
2017

Certificate in Responsive Web Development

University of Illinois Online
2012

Bachelor of Computer Science

University of Chester
2004 to 2007

Computing and IT (L3)

Warrington Collegiate Institute
2000 to 2002

PROFILE

I'm a dynamic and innovative professional with extensive experience in software engineering who's proficient in developing well-structured databases, reliable APIs and accessible user interfaces.

My innate inquisitiveness allows me to identify problems and areas for improvement, for which I then plan and implement high-quality technical solutions through ingenious innovation.

I am able to translate business requirements into technical specifications and through my experience in facilitating training, coaching and mentoring, I can communicate complex technical concepts to a non-technical audience.

WORK EXPERIENCE

Lead Developer / Solutions Architect

AccessibilityOz   **2018 to present**

AccessibilityOz is the largest web accessibility consultancy in Australia with expansion into the United States market.

Python ◆ Flask ◆ Quart ◆ FastAPI ◆ MySQL ◆ Memcached / Redis ◆ Playwright / Puppeteer / Marionette / Selenium ◆ Puppet / Ansible ◆ AWS / GCP / Azure ◆ Perl ◆ PHP ◆ BASH ◆ Ubuntu

- Developing and maintaining OzART, accessibility testing and reporting system; and OzPlayer the world's first fully accessible media player
- Working with remote and local development teams to provide guidance towards coding best practices and design patterns for accessibility
- Engineering APIs for 3rd party integrations with SAML/OAuth authentication and writing technical documentation
- Maintaining cloud systems and servers to meet guaranteed uptimes and ensuring software is up-to-date and secure
- Writing training materials and delivering training to development teams

DevOps Engineer - Web Applications

New Era Technology   **2014 to 2017**

New Era Technology works with customers in Australia and across the world as a trusted technology adviser.

Python ◆ Flask ◆ Java ◆ Tomcat ◆ HAProxy ◆ MySQL / Percona Cluster ◆ SaltStack / Puppet / Chef / Ansible ◆ Jenkins ◆ Javascript ◆ OpenAM / OpenDJ ◆ BASH ◆ Debian

- Development of access platform for Public Libraries SA integrating SirsiDynix APIs
- Feature development of identity systems for students and teachers in Victoria, for DET Victoria
- Collaboratively planning and advocating for the best solutions to evolving IAM product requirements
- Supporting development of Java/Spring Boot identity platform for Ministry of Education NZ
- Planning and managing CI / CD pipeline using Jenkins and Docker

Applications Support and Technical Operations

SAI Global   **2010 to 2014**

SAI Global offers risk management services, quality assurance audit and certification, auditor training, standards information services, and property services.

Java ◆ Tomcat ◆ Python ◆ PHP ◆ Ruby ◆ BASH ◆ VMWare ◆ Chef ◆ Red Hat / Fedora

- Support and maintenance of 3 tier market-leading SaaS product with a user base of over 37,000
- Automated and manual deployments of incremental software releases
- Monitor hardware and software to mitigate outages in accordance with strict SLAs
- Commission and configuration of production and development VMs
- Script database maintenance and data integrity checks