

DÁVUR S. CLEMENTSEN, INFRASTRUCTURE MANAGER / SOLUTIONS ARCHITECT**INTRODUCTION**

An AWS certified Solutions Architect, with 7 years' experience as a professional software engineer. Currently focused on building, managing, and deployments of large scale, reliable, secure and scalable applications on Amazon's AWS cloud computing services.

Experienced in many roles in software development and life cycle management with years of software development, business analysis and solutions architecture across many industry sectors and software platforms.

**KEY SKILLS****CLOUD COMPUTING**

- AWS Certified Solutions Architect
- In-depth experience with many AWS services
 - Managed applications with Elastic Beanstalk
 - Infrastructure as code with CloudFormation
 - Content distribution with CloudFront
 - Fault tolerance with Load Balancers, Auto Scaling, multi-AZ deployments
 - Reliable data storage with RDS and S3

INFRASTRUCTURE/TOOLS:

- Test automation and code review with Jenkins
- Release automation (Bash, Fabric, South, Virtualenv)
- App monitoring (Cloud Watch, New Relic, Pingdom)
- Version control (Git, Subversion, Mercurial)

PROGRAMMING LANGUAGES:

- Python
- UNIX shell scripting (Bash/Shell)
- Web front-end JavaScript, HTML5, CSS3
- PHP, Java, VB .NET, C# .NET, Perl

FRAMEWORKS:

- Django (Python),
- CodeIgniter (PHP)
- Play Framework (Java)
- jQuery, jQuery mobile, AngularJS (JavaScript)

DATABASES:

- PostgreSQL, MySQL, Oracle, SQL Server

PLATFORM EXPERIENCE:

- Development on Mac OSX, Unix, and Windows.

RELATED EXPERIENCE:

- Development through both Agile/Scrum and standard waterfall methodologies.
- Development of RESTful APIs (JSON, XML)
- Online payments (PayPal, PaymentExpress)
- Knowledge of web development best practices and accessibility considerations
- Process design, documentation, teaching and mentoring

CERTIFICATIONS AND AWARDS

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|---|-----------|
| AWS CERTIFIED SOLUTIONS ARCHITECT – ASSOCIATE, Amazon Web Services | 2016 |
| AWS TECHNICAL PROFESSIONAL, Amazon Web Services | 2015 |
| MASTER OF COMPUTER SCIENCE, La Trobe University, Melbourne | 2010 |
| ACS AWARD IN COMPUTER SCIENCE, Australian Computer Society | 2009 |
| LA TROBE UNIVERSITY DEAN'S HONOUR LIST, La Trobe University, Melbourne | 2008 2010 |
| BACHELOR OF COMPUTER SCIENCE (HONOURS), La Trobe University, Melbourne, Australia | 2005-2008 |

PROFESSIONAL EXPERIENCE

WSP DIGITAL INFRASTRUCTURE

INFRASTRUCTURE MANAGER / SOLUTIONS ARCHITECT

Management of a large server infrastructure with fleet of over 100 servers on Amazon Web Services (AWS) cloud platform

- Development of automated deployments using Jenkins, Elastic Beanstalk, Jenkins, Puppet and Docker
- Integrated automated testing with existing code review processes
- Server management including updates, access management and application deployments
- Set up server and application monitoring with New Relic and Pingdom

MEDIA LINKS, MEDIA AND BROADCASTING

TECHNICAL BUSINESS ANALYSIS CONSULTANT

- Technical business analysis for a network management system for a global media and broadcasting company running video networks for most major Australian TV networks
- Engaged with client stakeholders and development team to negotiate staged user requirements appropriate to the project maturity – from proof of concept to industry trade show presentation
- Assisted with project management using agile project management methodologies

RESOURCE SMART SCHOOLS, SUSTAINABILITY VICTORIA

SOFTWARE ENGINEER – FRONT- AND BACK-END

Java web application for Victorian schools to gain skills and awareness of environmental resource usage and cost saving opportunities.

- Background worker data calculations and analysis
- Interactive reporting or results using third party graphing solution Flot.js
- Permission and access management with various roles
- WCAG web accessibility review and improvement

QANTAS LOYALTY SERVICES

SOFTWARE ENGINEER – BACK-END API

Development and maintenance of the Java REST API and content management systems for Qantas' Frequent Flyer loyalty services platform.

- Java platform built to handle heavy loads from Qantas' over 10 million members
- Integration with several in-house and third-party systems
- Rigorous requirements and design and development processes

QANTAS YOUR ACCOUNT PORTAL

SOFTWARE ENGINEER – FRONT-END

Consistent and precise cross-browser, cross-devices styling for Qantas' new Your Account member landing page.

- Precision HTML/CSS/JS implementation of designs by third party design agency

- Cross-browser, cross-device testing to ensure a consistent user interface experience for all 10 million members.

ENERGY RATING PUBLIC SITE

SOFTWARE ENGINEER – FRONT-END

Public facing website with document library and a separate content management system.

- Wordpress/PHP plugin development
- HTML/CSS templates and styling
- MySQL database

ENERGY RATING GEMS

SOFTWARE ENGINEER – PYTHON/BACK-END

Secure joint government portal for registration and management of electronics' star-ratings for electronics made in and imported into Australia and New Zealand.

- Design and implementation of role and group based permission system
- Implementation of a form builder to handle forms changing to reflect changing government legislations.
- MySQL Database

IMIMS, MEDICINE INFORMATION REFERENCE APPLICATION

SOFTWARE ENGINEER - BACK-END / API

Back-end content management system and RESTful API for iPhone and Android apps used by medical practitioners.

- Design and implementation of JSON REST API
- Integration with Cybersource and eWay payment gateways

HOTEL HOTEL, MOLONGOLO GROUP

RESPONSIVE WEB AND MOBILE FRONT-END DEVELOPMENT

Highly responsive web site for one of Canberra's newest and funkiest hotels.

- Worked closely with third party design agency to implement pixel-perfect translation from designs to working website.
- Cross browser tested HTML5, CSS3, and javascript.

PIQET, PACKAGING ENVIRONMENTAL IMPACT ANALYSIS SOFTWARE

SOFTWARE ENGINEER

Software solution providing packaging life cycle and environmental impact analysis and regulatory compliance reporting used by major corporations

- Implementation of complex back-end calculations and analysis on large datasets
- Addition of interactive JavaScript graphs and plots using Google Charts

EMPLOYMENT HISTORY

WSP DIGITAL, WSP PARSONS BRINCKEROF AND WSP ENVIRONMENTAL

- Solutions Architect / Infrastructure Manager (2015-Present)
- Senior Software Engineer / Business Analyst (2013-2015)
- Software Engineer (2012)
- Analyst Programmer (2010-2012)
- Australian Computer Society Internship (2010)

LA TROBE UNIVERSITY

- Database Fundamentals adjunct lecturer (2010)
- Object Oriented Programming Fundamentals adjunct lecturer (2010)
- Advanced Database Systems teaching assistant (2009)
- C for Games Programming teaching assistant (2008-2009)
- Algorithms and Data Structures teaching assistant (2007-2009)

NATIONAL LAND SURVEYORS - FAROE ISLANDS

- Software developer (2003-2004)