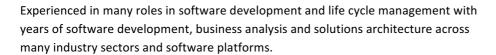
# DÁVUR S. CLEMENTSEN, INFRASTRUCTURE MANAGER / SOLUTIONS ARCHITECT

#### 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.





#### **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) RELATED EXPERIENCE:
- 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),
- Codelgniter (PHP)
- Play Framework (Java)
- jQuery, jQuery mobile, AngularJS (JavaScript)

#### **DATABASES:**

- PostgreSQL, MySQL, Oracle, SQL Server

## PLATFORM EXPERIENCE:

- Development on Mac OSX, Unix, and Windows.

- 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

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

#### **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)