

LENNOX THOMPSON

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website: <https://lethompson.github.io/>

EDUCATION

University of Texas at El Paso MS, Software Engineering	<i>Jun 2016 - Dec 2017</i>
University of Texas at El Paso PhD, Geophysics	<i>Aug 2011 - May 2015</i>
University of Texas at El Paso MS, Geophysics	<i>Aug 2008 - May 2010</i>
Coppin State University BS, Computer Science	<i>Aug 2003 - May 2008</i>

DEVOPS SKILLS

Languages: Python, Java, JavaScript, Matlab, PHP, R
OS: Unix, Linux: (Fedora, Red Hat, Ubuntu, CentOS), Solaris Sun, Windows
Atlasstian Tools: BitBucket, Confluence, Jira
Repositories: BitBucket, Github, GitLab
Monitoring: Splunk, Datadog
CI/CD: Jenkins, Terraform, Terraform Cloud, CloudFormation
Configuration tools: Ansible, Saltstack
Databases: MySQL, PostgreSQL, T-SQL, MongoDB
AWS services: EC2, S3, DynamoDB, RDS: (MySQL, Postgres-SQL, MSSQL), RedShift, Lambda, VPC, Security Groups, NACL, CloudWatch, CloudTrail, IAM, ElasticBeanstalk, Opsworks, Route53, CloudFront, Load Balancers, System Manager

WORK EXPERIENCE

Ensono - AWS Partner Sept 2021 - Present
Sr. AWS DevOps Engineer

- Provide AWS subject matter expertise advice and assistance to pre-sales architects Installation, configuration, and ongoing management of O/S and AWS services. Implementing and maintaining custom client machine images and centralized configuration management to enable quick repeatable builds and auto-scaling. Maintaining high availability through proactive measures. Troubleshooting and resolving complex technical issues.

Ensono - AWS Partner Oct 2019 - Sept 2021
AWS DevOps Engineer

- As a Cloud DevOps Engineer, I ensure the stability, integrity and efficient operation of information systems that support core organizational functions and Ensono Clients. Responsibilities include monitoring, maintaining, supporting and optimizing all operating systems and cloud infrastructure assigned.

Amazon Web Services Mar 2018 - Jun 2019
AWS Cloud Technical Trainer

- Taught customers of all sizes on the value proposition of AWS, led training sessions for customers/prospects through building proof of concept presentations and provided training and helped customers with AWS qwiklab sessions. Launched and ran Linux VMs to host web content to access log files, metadata for

customer presentations. Full stack web development utilizing Bootstrap, PHP, MySQL, HTML/CSS, React.js, D3.js, JavaScript to build websites for customer cloud demos.

Exxon Mobil

May 2017 - Aug 2017

Software Engineer Intern

- Designed a Dashboard solution for Reporting data using Microsoft Azure SQL Tableau. Built and automated Azure Microsoft SQL Server compiling monthly data, created workflows and linked to a Tableau storyboard creating significant time taking a two week per month process to 10 minutes.

Lumina Geophysical LLC

May 2015 - May 2016

Software Developer

- Performed software installations, testing, and license management. Developed software modules in Matlab. Written and maintained extensive technical documentation for earthquake data.

Cybershare Research Center

Aug 2008 - May 2015

Geophysics Researcher

- I expanded on a constrained optimization approach for a joint inversion least-squares (LSQ) algorithm to characterize one-dimensional Earth's structure for multiple geophysical data sets. In particular, I was able to apply the Multi-Objective Optimization Problem (MOP) Technique to the 1-D inversion, and use three geophysical data sets: receiver functions, surface wave dispersion curves, and teleseismic body wave times. To develop 3-D models, I inter-polated the 1-D results using a kriging approach, only when there was excellent station coverage. I applied this approach to two different tectonic provinces: the Rio Grande Rift, an ancient rift system in Texas.

UNAVCO inc

May 2008 - Aug 2008

Computer Science Intern

- This research focused on the Southern Rio Grande Rift (SRGR) to develop a contour map of velocity structures and moho depth using data from seismograms that have been installed around the region.

UNAVCO inc

May 2007 - Aug 2007

Computer Science Intern

- Updated Matlab version 5.3 to Matlab version 7.0 to show the displacement model of Taal Volcano. The updated model and research helped the scientific community to use Matlab version 7.0 to better understand the unknown processes of the magma chamber in Taal Volcano.

CERTIFICATIONS

AWS Certified Cloud Practitioner

AWS Certified Solution Architect - Associate

AWS Certified Developer - Associate

AWS Certified SysOps Administrator - Associate

AWS Certified Solution Architect - Professional

AWS Certified DevOps Engineer - Professional

AWS Certified Security Specialty

AWS Certified Database Specialty

Microsoft Technology Associate: Database Administration Fundamentals (MTA)

Microsoft Certified: Azure Fundamentals

HashiCorp Certified: Terraform Associate

Google Cloud Certified: Associate Cloud Engineer

Certified Jenkins Engineer

Certified Linux Administrator (LPIC-1)