

# LENNOX THOMPSON

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

## EDUCATION

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

## DEVOPS SKILLS

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**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  
**Cloud 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, GCP VMware Engine, GCP Compute Engine, GCP Loadbalancer, GCP IAM roles, GCP Cloud SQL, GCP Cloud Spanner, GCP VPC, GCP Memorystore - Redis, GCP Kubernetes Engine, GCP App Engine, GCP Instance Group, GCP AutoScaler

## WORK EXPERIENCE

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**Ensono** Sept 2021 - Present  
*Sr. AWS/GCP DevOps Engineer*

- Provide AWS/GCP subject matter expertise advice and assistance to pre-sales architects Installation, configuration, and ongoing management of O/S and AWS/GCP 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** Oct 2019 - Sept 2021  
*AWS/GCP 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 Earths 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**

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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 Certified: Azure Fundamentals  
HashiCorp Certified: Terraform Associate  
Google Cloud Certified: Associate Cloud Engineer  
Certified Jenkins Engineer  
Certified Linux Administrator (LPIC-1)  
Certified Kubernetes Administrator (CKA)