

# Darlene Elizabeth Thursby

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## SKILLS

|                                   |                                                                                                                                                                                       |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Languages &amp; Frameworks</b> | JavaScript (ES6+), TypeScript, Node.js, React, Express, C#, .NET, SQL, Bash, PowerShell, HTML5, CSS3                                                                                  |
| <b>Infrastructure &amp; Data</b>  | AWS (EC2, RDS, S3, IAM, EBS), Terraform, CloudFormation, GitHub Actions, Jenkins, Linux, Windows Server, PostgreSQL, MySQL, Redis, DynamoDB, Elasticsearch/ELK, New Relic, CloudWatch |

## EXPERIENCE

### Lead DevOps Engineer - PERQ

11/2025 - Present

Indianapolis, IN (Remote)

- Built a React/TypeScript triage tool backed by PostgreSQL and DynamoDB that turns raw query dumps into a rule-based visual UI, replacing manual review of query results.
- Established company-wide standards for AI-assisted development from scratch, covering repo structure, project templates, documentation, and CI validation gates.
- Upgraded PostgreSQL 13 to 18 across every environment via PowerShell and Node.
- Encrypted roughly 20 previously unencrypted RDS PostgreSQL databases.
- Migrated AWS access from long-lived IAM user keys to EC2 instance profiles, eliminating static credentials and the rotation overhead that came with them.
- Built an automated backup process for production sites in support of disaster recovery.
- Upgraded the Windows EC2 fleet from Server 2019 to 2025 via CloudFormation.
- Migrated EBS volumes from gp2 to gp3, improving IOPS performance and reducing storage costs.
- Own all Jenkins build and deploy pipelines across environments.

### DevOps Engineer - Bloomerang

10/2021 - 10/2025

Indianapolis, IN (Remote)

- First DevOps hire. Started the team from scratch and grew it to 8, establishing the company's cloud engineering practice across tooling, infrastructure as code, and deployment.
- Unified QA and production deployment procedures into a single GitHub Actions CI/CD pipeline with Terraform and blue-green deploys.
- Rewrote deploy scripts to run concurrently by server type. Deploys dropped from roughly 3 hours to under 90 minutes.
- Automated full environment provisioning in Terraform. Standing up an environment went from 2+ weeks of manual work to minutes.
- Migrated services including RabbitMQ and Logstash from Windows to Linux, reducing licensing costs and improving performance.
- Stood up monitoring across both Windows and Linux fleets.
- Conducted vulnerability scans and applied remediations, contributing to successful annual SOC 2 audits.
- Founded and ran biweekly DevOps collaboration sessions featuring group project work, demos, and guest speakers.

### Software Engineer - Bloomerang

02/2019 - 10/2021

Indianapolis, IN (Hybrid)

- One of three frontend-leaning fullstack engineers on a team of 10, building and shipping CRM features in C# and React for a product used by thousands of nonprofits.
- Ported legacy ASP.NET Razor pages over to React.
- Go-to technical resource and onboarding lead for 5 offshore contractors.
- Co-led frontend Center of Practice meetings to spread knowledge across engineering.
- Pushed product demos into the dev cycle, which tightened feedback loops and got features out faster.

### QA Engineer - Mx Technologies

09/2018 - 01/2019

Lehi, UT

- Took on junior engineering work alongside QA, mentored by the leads, landing bug fixes directly into Ruby on Rails and React codebases.
- Tested APIs and backend microservices.

## **Undergraduate Researcher - Pu Research Group, Indiana University**

01/2015 - 09/2018

*Indianapolis, IN*

- Ran quantum chemistry calculations on remote supercomputers with Gaussian 09/13, computing optimized structure energies of creatine kinase over SSH and HPC job queues.
- Wrote scripts to batch-process tens to thousands of Gaussian input files, handling edits, calculations, and data extraction.

## **EDUCATION**

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**Bachelor of Arts in General Studies, Minors in Computer Science & Mathematics**

2020

Indiana University

**Certificate in Full Stack Web Development, MERN Stack Focus**

2018

V School