

# Andrew Peng | Developer

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Personal Website: <https://andrew-peng-144.github.io/>

## PROFESSIONAL EXPERIENCE

### Cloud Developer

USAN, Inc.

Norcross, GA

May 2023 -

Present

- Developed, deployed, and maintained scalable **AWS Lambda** functions using **Python** and **C#**, performing CRUD operations on Amazon RDS and other AWS storage services.
- Built and deployed **CI/CD pipelines** using **Azure DevOps**, automating build, test, and infrastructure provisioning using **Terraform**, shell scripts, and **PowerShell**.
- Designed and optimized **SQL** queries for Amazon Aurora **MySQL** relational databases that integrate with AWS Lambda functions and C# containerized applications.
- Architected and deployed RESTful APIs using **AWS API Gateway**, integrating with internal and third-party systems via secure authentication and token management (**OAuth2/Cognito**).
- Implemented infrastructure as code using **Terraform** to provision and manage AWS cloud resources, ensuring repeatable and maintainable deployments.

## PROJECTS

### Project Showcase Website - "Shakespeare and the Common Good of Atlanta"

Atlanta, GA

Aug 2020 -

May 2021

- Led development of a web application for showcasing student projects and profiles, deployed on a **AWS EC2 instance**, running **Apache** web server on Linux (LAMP stack).
- Designed the frontend in **Bootstrap**, **HTML**, **CSS**, and **Vanilla JS**.
- Designed and implemented a secure backend using **PHP** and **MySQL**, supporting user authentication and CRUD operations on student projects.
- Ensured application security by implementing protections against SQL injection, XSS, and other common vulnerabilities.

### Personal Website

Present

- Showcases personal projects in a tiled format, with responsive web design.
- Utilizes **React** + **Sass** modules + **Typescript** for the frontend, **Vite** to build, and **Github Actions** to deploy.

## EDUCATION

### Georgia Institute of Technology

Atlanta, GA

Aug 2019 - May 2022

- B.S. in Computer Science
- 3.83 GPA
- Coursework: Data Structures & Algorithms, Systems and Networks, Machine Learning, Computer Simulation

## SKILLS AND TECHNOLOGIES

- **Certifications:** AWS Certified Developer Associate, AWS Certified Cloud Practitioner
- **Front-end development:** React, Sass, REST APIs, HTML, CSS, JS
- **Back-end development:** SQL, PHP, Java, Python, Node.js
- **Cloud infrastructure:** Terraform, CI/CD Azure Pipelines, .NET Core C#