

Thomas Basham

Cloud Engineer | Software Development Engineer

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Summary

I'm an AWS Certified Software Engineer with a background in full-stack development. My experience as a Software Development Instructor/Cloud Engineer for 2+ years has helped me develop expert debugging, testing, DevOps, and team management skills that I look forward to contributing to a company for long-term employment.

Technical Skills

Languages: Python, JavaScript, TypeScript, SQL, Bash

Cloud & DevOps: AWS (Lambda, S3, EC2, RDS, DynamoDB, IAM, API Gateway, CloudWatch, CloudFormation, CodePipeline, Amplify), GCP, Docker

Frameworks & Tools: Node.js, Express, React, Next.js, Django, FastAPI

CI/CD & Automation: AWS CodePipeline, CodeBuild, CodeDeploy, GitHub Actions

Databases: RDS, DynamoDB, MongoDB

Other: Serverless Architecture, RESTful APIs, OAuth/Auth

Certifications

AWS Certified Cloud Practitioner – Foundational, 2025

AWS Certified Solutions Architect – Associate (Expected: 10/25/2025)

Professional Experience

Web Development Instructor/Cloud Engineer

<https://codex.academy>

CodeX Academy (Remote) | Mar 2023 – Present

- Taught full-stack development with Python, JavaScript, and cloud platforms.
- Guided students through deploying React and Node.js applications using AWS and GCP.
- Designed curriculum segments covering REST APIs, CI/CD, Firebase Auth, and PostgreSQL.

Cavalry Scout, Sergeant (Team Leader)

U.S. Army, Fort Hood, TX | Oct 2011 – Mar 2015

- Led a diverse team of 6 personnel in high-pressure environments with mission-critical deadlines.
- Trained in strategic planning, communication, and operational efficiency.

Cloud Projects

Troutlytics

Cloud engineer

github.com/orgs/troutlytics/repositories

troutlytics.com

- Serverless fishing insights app using AWS Fargate, Lambda, and API Gateway to serve trout stocking data via REST API.
- Integrated PostgreSQL with Python backend, deployed Next.js/React frontend with AWS Amplify.
- Features data scraping, geo-mapping, and data visualization.

Puget Sound Creel Reports

<https://github.com/thomas-basham/ps-creel>

- Data ingestion and analysis pipeline for Washington creel reports.
- Python web scraping and ETL tools aggregate and visualize angler catch rates from public sources.
- Built a backend API with Express and PostgreSQL; frontend maps and charts rendered using Next.js and Chart.js. powered by AWS Lambda, API Gateway, Amplify, and RDS

Education

Code Fellows, Seattle, WA

Certificate – Full Stack Software Development (Python, JavaScript), 2022