

Xavier Salazar

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Education

Georgia Institute of Technology

01/2019 – 05/2022

M.S. Computer Science

GPA: 3.85/4.00

Focus in software architecture and design, with supporting coursework in artificial intelligence, network security, human-computer interaction, and software development processes

The University of Texas at Austin

08/2012 – 05/2016

B.S. Electrical and Computer Engineering

GPA: 3.45/4.00

Focus in software engineering, studying software design, testing, algorithms, and data structures

Work Experience

OpenSesame

Software Engineer

06/2019 – Present

- Architected flagship microservice API to deliver e-learning content, utilizing AWS Fargate, Amazon Aurora, Docker
- Implemented OAuth 2.0 authentication workflows for client integrations, leveraging Okta and Hapi libraries
- Standardized local developer testing experience, utilizing VSCode and Jest for quicker test-driven development
- Migrated legacy CloudFormation infrastructure to Terraform, increasing IaC coverage and site reliability
- Coordinated strategic domain extractions and data migrations for legacy applications
- Led Engineering Book Club, reading books on domain driven design, microservices, and career growth

Intel

Software Engineer

05/2016 – 06/2019

- Developed full-stack C# applications to assist in streamlining production hardware manufacturing
- Maintained and continuously improved WPF- and legacy WinForms-based desktop application suites
- Created RESTful microservice APIs for extensible global web-based data integrations, using Redis and .NET Framework
- Debugged and upgraded Linux performance encryption driver for next generation networking device
- Trained, presented ramp-up material, and created documentation for working with hardware simulation software

The University of Texas at Austin

Teaching Assistant

01/2015 – 05/2016

- Reinforced algorithm design, testing methodologies, and data structures in weekly lab sessions
- Assisted students in one-on-one office hours as well as in asynchronous online collaboration tools

Projects

Learn Emoji
learnemoji.dev

React application with CI/CD via GitHub Actions and automated npm package management with Dependabot, featuring a simple game to learn the CLDR short names of common emojis

Andrew Lyman Art
ablyman.com

Static Jekyll site with .webp image conversion and optimization pipeline, showcasing original paintings, drawings, and artist biography

Personal Website
xsalazar.com

Typescript/React website to feature software portfolio and numerous open source contributions, leveraging the GitHub API, Material UI libraries, GitHub Actions

AWS API Template
aws-api.xsalazar.com

Boilerplate repository to create a Terraform-managed AWS Fargate infrastructure, running a load-balanced, containerized Typescript API with automated deployments

Technologies and Certifications

Languages and Technologies
Professional Certifications

Angular, AWS, Docker, GitHub Actions, Hapi, Javascript, MySQL, Terraform, Typescript
AWS Certified Cloud Practitioner, HashiCorp Certified: Terraform Associate