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
   Primary degree 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	Angular, AWS, Docker, GitHub Actions, Hapi, Javascript, MySQL, Terraform, Typescript
Professional Certifications	AWS Certified Cloud Practitioner