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Xavier Salazar

(409) 771-7451

Education

Georgia Institute of Technology   **01/2019 – Present**
M.S. Computer Science   GPA: 3.85/4.00
    Studying software architecture and design, network security, software development process,
    artificial intelligence, and human-computer interaction

The University of Texas at Austin   **08/2012 – 05/2016**
B.S. Electrical and Computer Engineering   GPA: 3.45/4.00
    Primary focus in software engineering, learning the life cycle of software systems. Curriculum includes
    requirement analysis and specification, design, programming, testing, deployment, maintenance, and evolution

Work Experience

OpenSesame   **Software Engineer**   **06/2019 – Present**
- Created flagship microservice API as new partner integration strategy to delivery e-learning content
- Architected scalable, highly-available AWS infrastructure to handle traffic and service high-volume requests
- Implemented OAuth 2.0 authentication workflows for client integrations, leveraging Okta and Hapi APIs
- Standardized local developer testing experience, utilizing VSCode and Jest for quicker test-driven development
- Migrated legacy infrastructure from CloudFormation to Terraform, converting unmanaged providers to IaC
- Maintained legacy application and coordinated strategic domain extractions and data migrations

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 solutions for extensible web-based data interaction
- Debugged and upgraded Linux performance encryption driver for next generation networking device
- Trained and presented ramp-up material for working with hardware simulation software

The University of Texas at Austin   **Teaching Assistant**   **01/2015 – 05/2016**
- Taught 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 Dependabot
Andrew Lyman Art	ablyman.com	Static Jekyll site with .webp image conversion and optimization pipeline
Personal Website	xsalazar.com	Typescript/React application, showcasing software portfolio and numerous open source contributions, and leveraging GitHub API
AWS API Template	aws-api.xsalazar.com	Boilerplate repository to create a Terraform-managed AWS Fargate infrastructure, running a load-balanced, containerized Typescript API

Technologies and Certifications

Languages and Technologies	AWS, Docker, GitHub Actions, Hapi, Jest, Node, Terraform, Typescript
Professional Certifications	AWS Certified Cloud Practitioner