

# Xavier Salazar

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## Work Experience

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<b>Slack</b>	<b>Senior Software Engineer · Trust and Safety</b>	<b>Nov 2021 — Present</b>
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- Architected real-time child sexual abuse detection service to identify potential illegal content uploaded to Slack, working with internal employees to operationalize manual reviews and report offending content to legal authorities
- Developed ongoing policy compliance pipeline to delete workspace data older than 1-year, and led project to scrub historically stored data from S3, totaling over 3PB of storage and saving \$400k/yr. in AWS S3 cost
- Modernized internal workspace suspension and deletion tooling, to increase security, auditability, and alerting, allowing for quick and robust response to ongoing spam, bad actors, government sanctions, and abuse
- Assisted in running Backend Mentorship program, connecting engineers across the organization to learn and grow
- Built native moderation tooling to allow users to report inflammatory content to the organization's assigned moderators, enabling company administrators to review reports, hide content, automate workflows, and send notifications to users
- Maintained legal compliance process to preserve and store customer data for law enforcement requests

<b>OpenSesame</b>	<b>Senior Software Engineer</b>	<b>June 2019 — Nov 2021</b>
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- 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

<b>Intel</b>	<b>Software Engineer</b>	<b>May 2016 — June 2019</b>
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- Developed full-stack C# applications to assist in streamlining production hardware manufacturing
- Created RESTful microservice APIs for extensible global web-based data integrations, using Redis and .NET Framework

## Projects

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emojikitchen.dev	Typescript/React application with CI/CD via GitHub Actions and automated npm package management with Dependabot, featuring an online browser for Google's Emoji Kitchen
wowemoji.dev	Typescript/React application to generate automated "wow" emoji based on uploaded content, utilized within Slack to create custom emoji to celebrate teammates with colorful creations
xsalazar.com	Typescript/React website featuring my software portfolio and various open source contributions, leveraging the VSCode devcontainers, Material UI design library, GitHub Actions
aws-api.xsalazar.com	Boilerplate repository to create a Terraform-managed AWS Fargate infrastructure, running a load-balanced, containerized Typescript API with automated deployments

## Education

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<b>Georgia Institute of Technology</b>	<b>Jan 2019 — May 2022</b>
M.S. Computer Science	GPA: 3.90/4.00
<b>The University of Texas at Austin</b>	<b>Aug 2012 — May 2016</b>
B.S. Electrical and Computer Engineering	GPA: 3.45/4.00

## Technologies and Certifications

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Languages and Technologies	AWS, Docker, GitHub Actions, Javascript, Hacklang/PHP, MySQL, Terraform, Typescript
Professional Certifications	AWS Certified Cloud Practitioner, HashiCorp Certified: Terraform Associate