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Portfolio: [portfolio.matthewjinks.com](https://portfolio.matthewjinks.com)

**Matthew Jinks**  
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## EDUCATION

Georgia Institute of Technology – Bachelor of Science, Computer Science – *December 2023*

## EXPERIENCE

### Junior Software Engineer

Blackstar Delivery (Delivery Service Partner for Amazon), Atlanta GA  
*September 2023 - October 2024*

- **Developed a text-to-report service using Twilio** serverless functions to automate gas reporting, clocking out, and package return data for delivery drivers, reducing manual tracking.
- **Leveraged API integrations** to aggregate driver data in PostgreSQL database for real time tracking and reporting.
- **Contributed to development of an internal admin dashboard** with React, centralizing driver data and providing managers with real-time insights on missed reports, resulting in nearly 100% reporting compliance.
- **Worked cross-functionally** with teams to improve operational efficiency, data accuracy, and save time for both drivers and managers.
- **Reported progress and technical challenges** to senior engineers, collaborating on system improvements and troubleshooting to ensure seamless integration and timely project delivery.

### Software Engineer Contractor

Palmetto Church, Palmetto GA  
*October 2024*

- **Developed a serverless payment solution using Twilio and Stripe** for text-based tithing donations, increasing participation by 20% within the first month.
- **Automated notifications** via Twilio to inform users of successful donations and provide receipts.
- **Aggregated donation data** into an Excel spreadsheet, streamlining reporting and significantly aiding the finance department in tracking donations.

## PROJECTS

### System Design Copilot <https://portfolio.matthewjinks.com/system-design-copilot> 2024

- Developed an AI-powered system design copilot to guide users in designing software architecture, providing feedback on decisions and tradeoffs such as “availability vs. consistency”.
- Built an interactive web app with React that allows users to create and visualize system design diagrams through real-time flow interactions.
- Implemented a chat-stream API using Go and Azure OpenAI SDK to handle requests and stream responses to client.

### Slow + Reverb Music <https://portfolio.matthewjinks.com/cloud-project> 2024

- Developed a music player web application using a serverless architecture, incorporating slow and reverb audio effects to cater to the popular “Slowed + Reverb” music trend.
- Leveraged Microsoft Azure’s cloud services for backend infrastructure including Azure SQL Database, Azure functions, Azure API Management, Azure Container Registry, Azure Web App, & Blob Storage.
- Implemented CI/CD pipeline using Azure Pipelines ensuring consistent, automated Docker builds and deployments to Azure Web App.

## SKILLS & CERTIFICATIONS

**Certifications:** Microsoft Certified: Azure Fundamentals (AZ-900), Oracle Certified Associate Java SE 8 Programmer

**Languages:** Go, Java, JavaScript, TypeScript, Python, HTML/CSS, SQL

**Frameworks:** React, Angular, Express, Node.js

**Developer Tools:** Twilio, Microsoft Azure, CI/CD, Git, Docker, VS Code, Postman

**Databases:** PostgreSQL, Azure SQL Database, Azure CosmosDB

**Management:** Technical Writing, Prototyping, System and Process Diagramming, Demonstration and Presentation Creation