

# SAKIB ABDUR RAHMAN

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## EDUCATION

**The University of Texas at Austin** Bachelor of Science, Electrical and Computer Engineering  
**Specialization:** Software Engineering

## SKILLS

Programming Languages	Python   JavaScript   TypeScript   Java
Frameworks / Libraries	React   Node.js   HTML   CSS
Cloud	AWS: Amplify, Lambda, API Gateway, IAM, Cognito
Other	Auth0   MongoDB   GitHub   REST API

## WORK EXPERIENCE

**DonorSite** – Co-founder & CTO, *Software Engineer*; Austin, TX November 2022 – December 2023  
*React, JavaScript, Python, REST API, Tailwind, MongoDB, Auth0, Git, AWS, Devops, Software Design, DNS, Figma, ClickUp*

- Engineered over 18,000 lines of code to develop a platform for institutions to manage donations, donors, and campaign data
- Enhanced UX for data import and exploration with table, search, sort, filter, pagination, and developed algorithms to ensure accuracy
- Created an analytics suite to visualize donation trends, track top donors, and categorize contributions over time, improving strategic decision-making for fundraising campaigns with 10X efficiency
- Established communication between frontend and database using serverless API endpoints (AWS Lambda and API Gateway)
- Designed multi-tenant architecture and database design to ensure data segregation and authenticated retrieval for 20+ users
- Developed secure user authentication using Auth0 React SDK for personalized access and authenticated API calls

**DocuSign** – *Software Engineer*; San Francisco, CA June 2022 – September 2022  
*React, TypeScript, CSS, Chrome Dev Tools, React Dev Tools, GitHub, Figma, Agile*

- Collaborated with product leadership to gather requirements by 7+ F500 DocuSign clients for audit log enhancement project
- Revamped pagination UI to navigate audit logs, resulting in 10x quicker page load time and reduced network and server load
- Implemented user notifications for truncated logs when a given time range filter reaches 1000 logs as per the API call limit
- Created routing for a new page via React Router library on the Admin Dashboard and built UI based on Figma designs

**DocuSign** – *Software Engineering Intern*; Seattle, WA June 2021 – September 2021  
*Python, C#, Zstandard, LZ2, LZMA2, Huffman Encoding, dictionary compression, lossless compression, VS Code*

- Prototyped a technical proof of concept in C# for blob compression services using dictionary-based compression algorithm concepts
- Facilitated senior engineers assess trade-offs of compression speed and ratio by researching 10+ compression algorithm libraries
- Proposed a solution to save ~95% of memory space by generating a custom dictionary per account using LZMA2 compression in C#, then using that dictionary to compress DocuSign envelopes on the account

## PROJECTS & ACTIVITIES

**Antler** – *Entrepreneur in Residence & Product Manager*; Austin, TX April 2023 – May 2023  
*Project Management, Product Sales, Customer Service, Technical Communication, Leadership*

- Spearheaded the development of a CRM for efficient donation and campaign management during a 6-week entrepreneurial program
- Engaged with 38 customers & stakeholders to gather product requirements and feedback, present prototype and troubleshoot issues
- Devised technical solutions for non-profits, resulting in a 90% reduction in donation management time across 9 donation platforms
- Productized ideas using Figma and managed development process in ClickUp, defining 50+ milestones, feature tickets, and stories
- Designed and implemented a software architecture solution, increasing donor engagement for customers by 50% within 2 months

**All About Tennis** – *Web Application* November 2020  
*Python, Flask, HTML, CSS, JavaScript, MongoDB, GitHub, UML diagrams, Testing, GCP, Agile, object-oriented design*

- Created and deployed an interactive website to Google Cloud consisting of 3 model pages and many instances in each model
- Incorporated REST APIs and python's web-scraping libraries to collect data from 10 sources, stored and accessible in MongoDB
- Built pagination, searching, sorting, filtering and tested website for frontend, backend, and GUI in an agile environment

**Sanger Learning Center** – *Engineering Tutor*; Austin, TX August 2018 – March 2020

**University Leadership Network** – *Scholarship Recipient*; UT Austin August 2017 – May 2021

## COURSEWORK & CERTIFICATIONS

Relevant Coursework	Data Structures   Software Design Lab   Algorithms   Linear Algebra   Discrete Math   Matrices Software Architecture   Software Engineering Research   Statistics   Vector Calculus   Probability
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