

JACK SKRABLE

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Experienced and alloved full stack software engineer and IT generalist with 10 years of professional experience. In my current role for Beam, a public benefits facilitation SaaS company, I came on as a software engineer supporting an existing legacy application. Despite having no prior experience with the tech stack, I quickly taught myself Typescript, React, and GraphQL and built a custom application to support a wide range of public benefits, expanding the company's reach as well as the performance and capabilities of the software. I'm looking to continue my work as an engineering lead and architect with an organization focused on making changes in the climate sector.

Experience

Beam

Lead Software Engineer, June 2021 - Present

- Designed, built, and maintained a payments service and scaled it to handle ~\$500 million in social safety net payments using Typescript and Kubernetes, integrating with several payment vendors including JP Morgan
- Created a homegrown basic authentication system capable of supporting ~150k users, then migrated to Google Identity Platform to increase feature offerings to customers, including SSO/SAML, MFA, and magic link
- Designed and built an extensible ReBAC system using Zanzibar-based rulesets, Nest.js, gRPC, and SpiceDB
- Migrated complex SaaS application infrastructure from Gitlab and AWS EKS to Github and GCP Cloud Run
- Designed and built a customizable applicant verification service used by partners to prevent fraud by confirming the identity of applicants against a core dataset using gRPC, Nest.js, and Postgres trigram matching
- Developed an internal portal to serve customer requests and handle support tickets using Next.js and Prisma
- Migrated data from partner legacy system into Beam platform for housing assistance program that distributed over \$100 million in payments; statewide audit of the program showed migrated data was more accurate than other organizations that remained on the legacy system
- Designed and implemented integration with binary multi-classifier neural network to intake application documents and classify them for case processing facilitation using messaging, Typescript, Python, and React

Boston University

Integration Programmer, April 2017 - May 2021

- Created a generic integration logging pipeline and designed a common logging data model to analyze and distribute run logs among stakeholders, saving time and promoting interaction between departments
- Developed an integration to move resume data from complex type XML to JSON to SQL server DB using JavaScript and Python; modularized into APIs to allow for consumption across the university as a microservice
- Led team of developers to implement a self-service portal using JavaScript for university integration consumers; hosted as a static site on AWS, automated deployment using a continuous integration pipeline

WGBH Educational Foundation

ETL Developer, January 2015 - March 2017

- Developed method to capture subscriptions from web forms, leverage donor matching process, and transmit to Salesforce using REST to distribute marketing data among employees and increase overall donor engagement
- Perform full migrations of donor data from various client databases into Salesforce and SQL Server mirror

Education

Boston University

Master of Science in Computer Science, GPA 3.97

September 2017 – Jan 2020

Boston University

Bachelor of Science in Business Administration

September 2010 – May 2014

Skills

Typescript, Python, React, GraphQL, Node.js, gRPC, Next.js, Nest.js, CSS, System Design, Kubernetes, Docker, Linux, Authentication, SAML, Firebase, Authorization, ReBAC, Terraform, *SQL, GCP, AWS, Messaging, Git*, CI/CD