

Hamza Sheikh

✉ hsheikh38@gmail.com ☎ (410) 967-4184 📍 Baltimore, MD

Education

Towson University

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Towson, MD

Fall 2019 – December 2021

Experience

Travelers

SOFTWARE ENGINEER I

Hunt Valley, MD

April 2022 – Present

- Built a Python library on Databricks to generate data files for downstream services.
- Co-led the migration of multiple Oracle schemas to PostgreSQL, converting 100+ database objects including stored procedures, functions, views, and triggers.
- Set up Git version control and created custom validation tools to verify data integrity and track conversions across the team.
- Migrated the first API service from Oracle to PostgreSQL, designing a database toggle mechanism, running full regression tests, and documenting the approach for future migrations.
- Guided a team of 10+ engineers through the migration process, providing training and technical guidance while sharing regular progress updates with leadership.
- Developed full-stack applications using Java, TypeScript, React, and Node.js with CI/CD pipelines in Jenkins and ArgoCD, monitored by Dynatrace and Kibana.
- Migrated an SVN codebase to GitHub, created a Jenkins CI/CD pipeline, and set up a local Liberty server to improve developer experience for a J2EE application.

Towson University

RESEARCH ASSISTANT

Towson, MD

June 2021 – December 2021

- Co-developed a serverless SMS-based weight-loss program for low-vision participants in a 12-week wellness research study.
- Built AWS Lambda, Pinpoint, SNS, and API Gateway components for real-time feedback, weekly progress updates, and personalized messaging.
- Stored and managed participant data in PostgreSQL for analysis by the principal researcher.

Driven Media Group

SOFTWARE ENGINEER INTERN

Hunt Valley, MD

June 2021 – August 2021

- Created SQL Server stored procedures powering Power BI dashboards and SSRS reports for SaaS metrics.
- Wrote complex SQL queries with joins and subqueries to export datasets for account directors.
- Managed Google Tags and tracked conversion goals using Google Analytics for dealership clients.

Projects

DuoLink

CROSS-PLATFORM MUSIC SHARING APP

Claude Code

- Designed, built, and shipped a music-sharing iOS app — now at 385+ downloads on the App Store — that lets anyone share a song across Spotify, Apple Music, YouTube Music, and Tidal, no matter which service they use.
- Removes the everyday friction of sending music to friends on different platforms by turning any track into one universal link that opens right in each person's preferred app.
- Rounds out the experience with 30-second in-app song previews, beautifully designed shareable music cards, and a share extension for sending songs directly from other apps in a single tap.

Skills

Languages: Java, JavaScript, TypeScript, Node.js, React, Python

Tools: Git, Gradle, Docker, Kubernetes, Terraform, Helm, Databricks, Claude Code

Cloud: Lambda, API Gateway, S3, CloudFront, EKS

CI/CD: Jenkins, Urban Code Deployment, ArgoCD

Monitoring: Dynatrace

Certifications: AWS Certified Cloud Practitioner