

Technical Skills:

Languages: Python • TypeScript • JavaScript • Java • C/C++

Frameworks/Libraries: React.js • Next.js • Node.js • Flask • FastAPI

Databases: MySQL • PostgreSQL • Aurora • DynamoDB • MongoDB • Supabase

Cloud & DevOps: AWS (Lambda, S3, API Gateway, EC2, RDS, VPC) • CI/CD • Vercel

Tools: Git • JIRA • Material UI • TailwindCSS • Android Studio • OpenAI • Claude

Certifications: AWS Certified Solutions Architect – Associate | **Security Clearance:** Top Secret

Experience:

Voltly

Full Stack Engineer

February 2025 - Present

- Architected and built a commercial energy intelligence platform from 0-to-1, leading full-stack development using React, Node.js, PostgreSQL, and Wasp
- Engineered a mission-critical ETL pipeline that automates nightly ingestion of utility bills and interval data via third-party APIs, eliminating all manual data entry workflows
- Optimized high-volume analytics by designing PostgreSQL materialized views to pre-aggregate millions of records, enabling sub-second dashboard performance
- Implemented secure webhook integrations to process real-time third-party events and trigger automated workflows across billing, data ingestion, and notifications

AnaVation

Full Stack Engineer

May 2023 - August 2023, May 2024 - August 2024

- Devised and constructed efficient REST API endpoints using Python (Flask/FastAPI) to support backend functionalities such as user management, messaging, and data retrieval
- Developed and deployed serverless AWS Lambda functions to optimize specific application tasks, integrating with AWS S3, DynamoDB, and API Gateway for improved scalability and responsiveness
- Built and maintained front-end interfaces using React and JavaScript, ensuring seamless integration with backend services
- Served as Scrum Master, leading daily scrums and a weekly Sprint Review meeting with the Product Owner, ensuring efficient collaboration and project delivery in an Agile environment with a team of 4+ members

Shireen Incorporated

Computer Engineer

January 2021 - December 2021

- Managed Shireen's website and performed product content updates, improved overall user experience leading to increase in website traffic
- Assembled and soldered radio frequency cables and circuit boards, ensuring production quality and functionality

Projects:

Grid Search App - Android Studio, React, AWS

- Developed a comprehensive grid search application, which included both an Android app and a React-based web interface
- Implemented key features such as search management, real-time location tracking, geofencing, and the ability to add and archive searches
- Leveraged AWS services including RDS, Lambda, Location Services, EC2, VPC, and Secrets Manager to ensure secure, scalable, and efficient operations
- Improved search efficiency by 25%, enhancing coordination and effectiveness in search and rescue operations

Anagrab (<https://anagrab.vercel.app/>, <https://github.com/shameer99/anagrab>)

- Collaborated in an Agile team environment to develop a real-time multiplayer word game enabling users to competitively form and steal words through live interactions
- Engineered robust backend infrastructure leveraging **Node.js**, **Express**, and **Socket.io** for real-time, low-latency WebSocket communication between players
- Integrated MongoDB for persistent, consistent game-state management across concurrent sessions

Education:

University of Maryland, Baltimore County, Baltimore, MD

Graduated: December 2024

B.S Computer Science, GPA: 3.8