Ishaq Ahmed Shaik

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SKILLS

- **Languages**: Python, C, C++, Go, JavaScript, SQL, Bash, Java, Dart
- **Frameworks**: Spring Boot, Django, Flask, Node.js, Angular, Flutter, React, NestJS
- **Tools**: Redis, Docker, Git, PostgreSQL, MySQL, SQLite
- **Platforms**: Linux, Web, Arduino, Raspberry, AWS

EXPERIENCE

Extreme Networks
Associate Wireless Software Developer — *Jul 2023 - Jun 2024*

- **Fixed critical bugs**: Resolved four high-priority issues in the Spring Boot codebase, including correcting SQL inconsistencies that improved AP log accuracy by 30% and eliminating duplicate log entries for multiple APs, resulting in a 40% reduction in log processing time.
- **XAPIs**: Enhanced and ported XAPIs for switch management using Spring Boot, resulting in a 20% improvement in response times. Optimized data serialization with Protocol Buffers, reducing payload size 22%, and streamlined data interchange with JSON. Implemented MVC architecture, increased system scalability and maintainability by 25%

Nbyula
Software Application Engineer Apprentice — *Mar 2023 - Apr 2023*

- **Caching and Resizing Images**: Developed a standalone system that automates image resizing and caching on CloudFront from S3, improving performance by 35% and reducing server load by more than 50% through the use of AWS Lambda Functions.
- **Migrated Jenkins to Cloud**: Transitioned the Jenkins server from a local machine to AWS using Docker Containers.
- **S3 to Vimeo Upload Integration**: Implemented a Lambda function to transfer images from S3 to a Vimeo folder.
- **Logged user exits on Jitsi Meet**: Developed a feature for Jitsi Meet to detect and log when a participant abruptly leaves a call, enabling better tracking of disconnected users and improving meeting monitoring.

LoadShare Networks
SDE Intern — *Sep 2022 - Dec 2022*

- **Slack Logs for Database Changes**: Integrated Slack logs into database changes by implementing endpoints in the Spring Boot API.
- **Python Scripts**: Automated ETL processes in SQL by developing Python scripts.
- **DevOps**: Containerized the application with Docker and implemented CI/CD pipelines.

Chiplogic Technologies
Student Intern Software Developer — *Feb 2022 - Aug 2022*

- **5G Network**: Engineered network management and optimized time synchronization in 5G O-RAN Systems using C++
- **Code Conversion**: Converted Python 5G network modules to low-level C++ for integration into a semiconductor chip.

Moneyfactory
Back End Developer — *Jan 2022 - Jan 2022*

- **Created API from scratch**: Built and managed the Python backend using Flask.
- **AWS Hosting and DevOps**: Deployed the Python API and website on AWS, and integrated CI/CD pipelines.

PROJECTS

- **Recover CryptoCurrency Ledger Seed (A program to find human errors in the 24 word seed)**: Implemented Levenshtein distance algorithm to find the closest word and verify the validity of a cryptocurrency ledger seed.
- **Student Database for a University**: Developed for managing student information in a college, including personal details, classes, exam dates, and subjects, using Flutter, Spring Boot, and MySQL.
- **Linux Scripts**: Created and utilized open-source scripts in Linux to simplify daily tasks, such as monitoring average RAM usage and sending emails from an AWS server when errors are detected in logs.
- **Deskreen(Deskreen turns any device with a web browser into a secondary screen for your computer)**: Packaged and published an open-source project on Arch Linux as part of a contribution to the community.
- **Sense Weather**: Built SenseWeather, a weather app using the OpenWeatherMap API to provide weather updates for the current location and more, using Flutter.

EDUCATION

Arizona State University — Tempe, Arizona
Master of Science in Computer Science — *May 2026*

Ramaiah Institute of Technology — Bengaluru, India
Bachelor of Technology - Information Science Engineering — *June 2023*