

Shreshth Kushwaha

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Education

- Texas A&M; University
- Aligarh Muslim University

Skills

Programming: SQL, Data structures and algorithms, Java, Dart, JavaScript, C++, Python, Object Oriented Prog., TypeScript

Technologies: CI/CD, REST APIs, ReactJS, Selenium, AWS, Django, Flutter, JSON, Springboot, HTML/CSS, GitHub Actions, Jenkins, CircleCI

Tools: Git, Android Studio, Linux, Postgres, Docker, Shell, NoSQL, Postman, MongoDB, SOAP UI, VS code, Jira, Unix-like environment

Experience

Software Engineer, MiHIN (May 2024 - Present)

- Built a multithreaded, scalable ETL pipeline (Python, AWS Lambda, S3, DynamoDB, Linux) to transfer millions of EHR records with ~0% data loss; developed solutions with AWS Bedrock Gen AI, LLMs, and AWS Q
- Migrated infra to AWS CDK from Serverless/Terraform, reducing costs by 90% and streamlining deployment
- Engineering full-stack modules (Java, Python, ReactJS) for HL7 FHIR-compliant health data exchange platform
- Wrote unit tests with Pytest to raise code coverage to 70%; partnered with QA to implement BDD testing
- Containerized AWS Lambdas using Docker; deployed to ECS to mitigate timeouts and improve reliability
- Led CI/CD pipeline migration from Bitbucket to GitLab; Built Grafana dashboards with AWS timestream tables

Skills: AWS, Python, React JS, SQL, SpringBoot, Java

Software Engineer Intern, MiHIN (June 2023 - Aug 2023)

- Addressed UI, security, and input validation issues to improve live projects' reliability by 60%
- Single-handedly coded an API rate limiter from scratch to throttle malicious requests exceeding 100 per minute & Dockerized project components to reduce environment errors by 90%

Software Engineer Intern, Cognizant Technologies (Feb 2022 - June 2022)

- Built productivity software using React JS & Agile methodologies; Utilized Test-Driven Development to ensure the robustness and quality of the software, which logged time of over 300 employees
- Integrated front-end with backend via REST API & HTTP; Used Java Selenium & Apache POI data-driven testing to automate live project testing against 500 test case data records & to reduce manual testing team's efforts by 70%

Projects

Party Animal

- Engineering a full-stack web app using SpringBoot and React to enable users to host & attend safe house parties
- Designed client-server architecture & wrote 15+ secure REST APIs to enable messaging, user authentication, etc
- Leveraging React JS along with Redux state management to create client-side application which can assist 10000s of university students in availing peer ride sharing and reducing DUI incidents by 90% and ride costs by 70%

Tech Stack: Java, SpringBoot, MySQL, ReactJS

Victor Health

- Developed an Android Health platform for presenting users with workout sessions, customized meal planning, timed exercises; Provided workout session tracking with up to 80% accuracy
- Incorporated localized SQLite Database in the app for meal data, customized workouts, diet planning, etc
- Coordinated more than 30 workout-related states using Provider pattern; processed data using cool animations & interactive UI widgets for Pie charts, Stop Watch, Cards, etc

Tech Stack: Android - Dart, SQL, UI/UX

Achievements

- Professional Scrum Master Certified, REST API Developer
- Presented research Paper at WRFER ICEEE conference on smart charging of E-vehicles
- Published the same paper in the International Journal Of Advances In Electronics And Computer Science
- Ranked 3rd in the competitive programming contest Codeheat organized by Engineering College CS Department