ASHWIN C S

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EXPERIENCE

Software Engineer, GE HealthCare   March 2024 — Present

Media Manager Mobile Application

- Led Hybrid Mobile Development: Designed and optimized cross-platform mobile applications using Ionic, Angular, and TypeScript, improving app performance and enhancing patient case documentation workflows.
- Enhanced Offline-First Architecture: Spearheaded the migration of the mobile app from an online-only system to a hybrid offline-online architecture using SQLite and REST APIs, increasing data sync reliability by 40% in low-connectivity environments.
- Streamlined Testing Processes: Designed an Appium-based automation framework for iOS and Android, reducing manual testing efforts.

Technologies: Angular, Ionic, TypeScript, HTML, CSS, .Net Core, Karma, Jasmine

Software Engineering Specialist, GE HealthCare   November 2021 — March 2024

- Mobile Development: Developed features for hybrid mobile applications using Ionic Framework, Angular, and TypeScript.
- Provided cross-functional support, collaborating with web and mobile development teams to align features with business needs.

EDUCATION

NSS College of Engineering, Palakkad   2017 — 2021

- CGPA : 7.78
- B.Tech in Electronics & Communication Engineering

PROJECTS

Portfolio website

- Designed and developed a personal portfolio website to showcase software engineering projects, skills, and experience.
- Utilized Next.js for server-side rendering, SEO-optimization and optimized performance.
- Implemented responsive design with Tailwind CSS, ensuring a seamless user experience across devices.

Mock API Server for Mobile Development

- Created a Node.js-based JSON Server to provide mock REST API responses for frontend and mobile development, enabling parallel development independent of backend availability.

Automated Test Case Creation Using User Action Recording

- Developed a JavaScript tool to record and capture real-time user interactions, converting them into structured data for automation.
- Utilized generative AI to optimize and automatically generate test cases for the testing framework, accelerating test case creation.

SKILLS

- Language: TypeScript, C#, Python
- Development: Angular, React, Next.js, HTML, CSS, TailwindCSS, NodeJS, .Net Core, SQL
- Testing: Jasmine, Karma, Appium, Playwright, RobotFramework
- Tools: Git, Android Studio, XCode, Jenkins, Postman