Zeeshaun Ahmad

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EDUCATION

Bachelor of Technology, Software Development
Seneca Polytechnic · Sept 2023 – Present
Relevant Coursework: Object-Oriented Programming (C++), Software Development Using C++, Web Programming for Applications and Services, Operating Systems for Programmers (UNIX)

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Swift, C++
Operating Systems: UNIX (development environment)
Scripting: Bash (basic), Python automation
Testing & Debugging: Debugging, logging, defect investigation
Backend: Node.js, Express.js, Flask
Cloud & DevOps: AWS, Docker, Firebase, GitLab CI/CD
Databases: PostgreSQL, MySQL, MongoDB
Tools: Git, Jira, REST APIs, JSON

PROFESSIONAL EXPERIENCE

Superior Pools & Spa - Remote
Mobile Applications Developer   **Sept 2024 - Present**
- Designed, developed, tested, and maintained a production software application used daily by 30–50 field technicians, following the full software development lifecycle from feature design through deployment and maintenance.
- Implemented real-time job status tracking, dynamic inspection forms, photo uploads, digital signatures, and automated report generation.
- Integrated software components with a custom CRM using REST APIs, debugging data flow issues and improving data accuracy and operational efficiency.
- Collaborated with stakeholders to iterate on features based on real-world field feedback.

Tech Stack : React Native, Expo, TypeScript, Expo Router, AsyncStorage, Axios, Fetch API

PoolPal
Software Engineer   **April 2023 - Sept 2024**
- Built and deployed a cross-platform mobile application to manage service appointments, on-site data capture, and report submission.
- Focused on rapid prototyping and iterative development of user-facing features.

Tech Stack : React Native, Expo, TypeScript, Expo Router, AsyncStorage, Axios, Fetch API

PROJECTS ACCOMPLISHED

CoHost – AI-Powered Event Planning App   AI Developer · React Native Hackathon · May 2025
- Developed an **AI-powered in-app chatbot** to assist users with event planning, scheduling, and guest coordination.
- Designed and implemented a **separate TypeScript backend service** that securely integrated with **Azure OpenAI APIs**, enabling LLM-driven conversational features.
- Enabled users to generate event plans and send **electronic invitations** directly within the mobile application.
- Implemented **CI/CD pipelines using GitHub Actions**, automating build, test, and deployment workflows.

Tech Stack: React Native, TypeScript, Azure OpenAI, Node.js, GitHub Actions, REST APIs

C++ Software Development Projects   Full-Stack Developer · Seneca Polytechnic · Jan 2024 – Present
- Developed multiple C++ applications applying object-oriented programming principles such as classes, inheritance, and encapsulation.
- Implemented modular program structures using header and source files to improve code organization and reusability.
- Practiced memory management, debugging, and compiler-based error resolution using g++.
- Tested and refined programs to ensure correctness, performance, and clean compilation.

Tech Stack: C++, curl, Git, g++