

Sishir Phuyal

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EXPERIENCE

Investors Heritage :

Software Developer (May 2025 - Current), Software Developer Intern | (May 2022 - May 2025)

- Built and improved features within an existing .NET application, making the platform more useful and user-friendly for both agents and admin teams.
- Worked heavily with SQL to write and optimize queries, helping improve performance and reduce unnecessary database calls.
- Refactored backend architecture by introducing a centralized database class and query builder, replacing raw SQL with maintainable, dynamic methods (e.g., offset, fetch). Became the standard querying approach company-wide, adopted by all developers.
- Wrote complex CRUD operations to build features like policy history tracking; enabled seamless backend–frontend data flow for internal tools and agent-facing pages.
- Created and optimized batch jobs, including a monthly void policy report emailed to agents. Actively used for 2+ years to streamline workflows and reduce manual effort in policy and data tracking.

PROJECTS

RayHealth EVV - Home Care Management Platform - Personal Project | 2026 (rayhealthevv.com)

Tech : TypeScript, React, Vite, Node.js, Express, PostgreSQL, Capacitor, AWS Bedrock, Gemini API, Vercel

- Built and deployed a full-stack Electronic Visit Verification (EVV) platform for home-care agencies, featuring caregiver mobile clock-in/out, GPS visit verification, scheduling, authorization management, and compliance workflows.
- Designed a scalable monorepo architecture with shared domain models and validation logic, supporting web, mobile, and backend applications from a single codebase.
- Implemented secure authentication and role-based access controls, including HttpOnly cookie sessions, CSRF protection, secure mobile credential storage, and audit logging for system activity tracking.
- Developed integrations for Sandata and HHAeXchange EVV export formats, enabling agencies to prepare visit data for Medicaid and state reporting requirements.
- Integrated AI-powered workflow assistance using Claude (AWS Bedrock) and Gemini APIs to support caregiver assistance and administrative task automation.
- Established automated testing, linting, security scanning, and CI/CD deployment pipelines to improve code quality and release reliability.

ION Water QR : Capstone Project - University of Louisville | Jan 2025 – Apr 2025

Tech : React, Next.js, Tailwind CSS, SQL, Vercel

- Built and deployed a dynamic web app for Louisville ION Water to simplify client form submissions.
- Led front-end development using React/Next.js and Tailwind CSS, with integration into a local SQL backend.
- Implemented dynamic routing, QR code generation, and secure API handling with environment variables.
- Created reusable components, form logic, and mobile-responsive layouts; deployed frontend via Vercel.
- Collaborated with a 4-person team to address security, CORS issues, and backend API integrations.

Student Ninja - Academic Productivity Web App - Personal Project | 2023

Tech : Django, HTML/CSS, JavaScript, Excel/PDF parsing, Email Scheduling

- Built a Django-based web app to help students organize tasks with an interactive calendar.
- Developed logic to parse uploaded Excel/PDF class schedules and auto-populate calendar events using JavaScript.
- Designed the calendar UI in HTML/CSS and enabled dynamic task additions with minimal user interaction.
- Integrated an automated email reminder system using Django's background task scheduler (e.g., Celery/Crontab).
- Deployed via GitHub and Vercel.

CERTIFICATION

Microsoft Technology Associate (MTA) Certification, Google's 'Technical Support Fundamentals' Coursera Certification, Google's 'The Bits and Bytes of Computer Networking' Coursera Certification, [HackerRank's Problem Solving Basic Certificate](#), [HackerRank's Software Engineer Intern Certificate](#), [HackerRank's Software Engineer Certificate](#)

EDUCATION

University of Louisville, J.B. Speed School of Engineering - Bachelor of Science in Computer Science

Aug 2021 – May 2025 | Louisville, KY

Fern Creek High School

Aug 2017 – May 2021 | Louisville, KY