Aaron Gallick

aarongallick97@gmail.com   https://gallick.dev

First-Class Computer Science graduate with 5+ years of experience spanning database architecture, system administration, and full-stack development. Proven track record of reducing incident response times, achieving 100% backup SLA compliance, and streamlining deployments by 80%. Skilled in Next.js, React, Node.js, and PostgreSQL — combining infrastructure expertise with a passion for building scalable, maintainable applications and delivering high-quality user experiences. Seeking a Software Developer role to contribute to innovative, user-focused solutions.

WORK EXPERIENCE

DB Alliance, Analyst Programmer
Mar 2020 – Current

- Architected and deployed a scalable site and asset management platform using Next.js, PostgreSQL, and CI/CD pipelines, reducing manual deployment steps by 80% and accelerating release cadence by 50%.

- Proactively diagnosed and resolved database issues while maintaining and supporting production servers to ensure system reliability.

- Collaborated with internal teams to design and implement robust data protection procedures, preventing data loss and maximizing system uptime.

- Engineered automated scripts and processes to streamline data integration and maintenance workflows.

- Built and maintained virtual machines and containerized environments using Azure, improving deployment consistency and scalability.

- Troubleshot complex system failures, identifying root causes and implementing long-term fixes to improve reliability and reduce incident frequency.

- Partnered with cross-functional teams to translate business requirements into scalable technical solutions, ensuring smooth project delivery and stakeholder alignment.

SKILLS & TECHNOLOGIES

Languages & Frameworks: Java, C#, JavaScript, Typescript, React.js, NextJs, Python, PHP
Database & Cloud: SQL Server, MySQL, PostgreSQL, Oracle Cloud, Azure, Docker, VMs, Containers
DevOps & Tools: Git, Jira, CI/CD Pipelines
Web & API: WordPress, RESTful API Development
OS & Methodologies: Linux/Unix, Agile Methodologies, Object-Oriented Design Principles

EDUCATION

University of Ulster, BSc (Hons) Computer Science, First Class
Sept 2020 – June 2023

University of Ulster, FdSc Software Development, Commendation
Sept 2018 – June 2020

PROJECTS

OPractice – https://opractice.gallick.dev
Online Exam Creation & Tracking Tool
Tech: Next.js · TypeScript · PostgreSQL · Docker

- Built a Markdown-driven exam builder with public/private modes and progress tracking dashboards.
- Implemented secure authentication and responsive UI to help users monitor scores over time.
- Containerized with Docker for consistent deployment; originally created as a personal study aid for the Oracle 1Z0-083 exam.
- Integrated PostgreSQL to store exam data, results, and user profiles with efficient query performance.
- Deployed on Coolify, ensuring fast load times and seamless scalability for end users.