

Billy JOSEPH

Software Engineer & Data Analyst

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Profile

Engineer with a decade of experience leading projects from feasibility study to handover. I combine field experience with software development to build tools that make teams faster and decisions clearer.

I enjoy working with clients who want clear communication, honest timelines and documentation that the next person can actually use.

Career objective Lead a technical team on projects that improve public infrastructure, and keep building software that makes engineering work easier to plan and audit.

Specialisations Project management, Structural design, Web application development, Database design

Professional experience

Senior Project Engineer Mar 2021 – Present

Example Engineering Group, Your City

- Lead a team of 8 engineers on public works projects worth up to \$4M.
- Introduced a web-based site reporting tool that cut weekly reporting time by half.
- Coordinate with clients, contractors and inspectors from design to handover.

Project Engineer Jun 2017 – Feb 2021

Sample Construction Ltd., Your City

- Prepared structural calculations and drawings for residential and commercial buildings.
- Managed procurement schedules and site supervision for 12 projects.

Junior Engineer Jan 2015 – May 2017

Placeholder Consulting, Another City

- Supported senior engineers with surveys, quantity take-offs and cost estimates.

Education and qualifications

Master of Science, Structural Engineering Sep 2019 – Jun 2021

State University

Thesis on low-cost seismic retrofitting of masonry buildings.

Bachelor of Engineering, Civil Engineering Sep 2010 – Dec 2014

National Polytechnic Institute

Graduated with honours.

Certifications and training

Project Management Professional (PMP) Apr 2022

Project Management Institute

Full-Stack Web Development

Aug 2020

Online Academy

400-hour programme covering PHP, JavaScript and SQL.

Skills

Languages	English (Expert), French (Expert), Haitian Creole (Expert)
Professional skills	Team leadership (Expert), Client communication (Expert), Budgeting & scheduling (Advanced)
Technical skills	PHP & MySQL (Advanced), JavaScript (Proficient), Code Debugging (Expert), Data Cleaning (Expert), Data Mining (Expert)

Selected projects

Site reporting web app May 2023

PHP, MySQL, Responsive design

A PHP/MySQL application that lets site supervisors file daily reports from a phone, with photo uploads and automatic weekly summaries for clients.

<https://example.com/site-reports>

School building retrofit Jan 2022

Structural design, Project management

Seismic assessment and retrofit design for a two-storey school serving 600 students, delivered on budget.

Awards, publications and achievements

Engineer of the Year Nov 2023

Regional Engineering Association

Recognised for leading the school retrofit programme.

Low-cost retrofitting of masonry buildings Sep 2021

Journal of Applied Engineering

Online

LinkedIn <https://www.linkedin.com/in/your-profile>

GitHub <https://github.com/your-username>