

IMAN WARSAME

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PROFILE

Award-winning engineer specialising in working with diverse stakeholders to create software to drive innovation within the industry and create value. Proven expertise in managing and implementing software solutions. Committed to fostering team collaboration and growth, and keen proponent of kaizen, consistently striving for continuous improvement.

EXPERIENCE

Senior Engineer

Ramboll

Sep 2019 – Present

- Chartered Civil Engineer with the Institute of Civil Engineers
- Winner of the 'Digital Rising Star' award at the TechFest awards (New Civil Engineer, 2023)
- Winner of hackathon in collaboration with the Swedish Transport Administration (Trafikverket)
- Led development of platform to enable data-based design of infrastructure
 - o Worked with a range of specialists in different geographies
 - o MongoDB, React, ASP.NET Core, MUI
 - o React Three Fibre & Speckle
 - o Used Vitest and xUnit for testing
- Line manager and mentor to junior members in the team
- Led development of project management and forecasting platform
 - o MongoDB, React, ASP.NET Core, MUI
 - o Deployed using Azure pipelines
- Led the development of a desktop application to automate the design of retaining walls
 - o Led a team of four developers to develop a solution that used Python to integrate with PLAXIS
 - o Managed the budget and planned sprints
 - o Employed the abstract factory pattern to implement efficient business logic
 - o Designed front-end using Avalonia and adopted an MVVM architecture
- Project and commercial manager for >£9,000,000 of check work on HS2

- Led an international team of six to create a guideline to design temporary footbridges for communities in Rwanda
- Experience with steel and prestressed concrete design

Summer Placements

Ramboll

Summer 2017 & 2018

- Designed concrete foundation for Torus sculpture, White City Living
- Hammersmith flyover bearing structural monitoring

EDUCATION

University of Southampton

Civil Engineering (MEng)

2015 - 2019

Designed and built a 1kW water wheel to irrigate farmland in remote areas using supercritical flow

Dissertation titled 'Introducing BIM into Civil Engineering Degrees'

Essay titled 'Alternatives to Nuclear Power for Electricity Supply in Japan'

Ruislip High School

A Levels: Maths, Further Maths, Physics, Product Design

2008 – 2015

QUALIFICATIONS

Institute of Civil Engineers

Chartered Engineer (CEng)

2023

The Football Associate

FA Level One Coaching Badge

2023

SKILLS & HOBBIES

- | | |
|---------------------------|-----------------------------|
| - C# | - Three.js |
| - ASP.Net Core | - MongoDB |
| - Python | - Agile working |
| - Azure | - Architectural photography |
| - React.js | - Football |
| - JavaScript & TypeScript | - Historical fiction novels |
| - Node.js | - Grand strategy games |