

Joe Davis

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PROFILE

Meticulous and innovation-focused civil engineer with 10+ years of experience in road and rail bridge construction. Highly skilled in project management having worked with teams both in the UK and abroad. Currently, seeking further challenges in large-scale projects. Willing to relocate and eager to develop new skills in line with industry best practice.

WORK EXPERIENCE

Civil Engineer

Seuricor Construction Ltd., UK, UAE and China
January 2015-Present

- Managed construction of six motorway bridges from Hangzhou to Yancheng in China as consulting engineer, completing all projects under budget.
- Contributed to internal development of software and sensors to detect shear stresses on cable-stayed bridges, improving safety on eight older structures in England and Scotland.
- Led on design of twin steel truss bridges crossing the Yangtze at Wuhu, winning plaudits from local authorities for rapid and cost-effective construction.
- Collaborated on procurement of bridge maintenance contracts for newly finished structures in Dubai, making a 10% saving on originally projected costs.

Engineering Intern and Associate Bridge Engineer

Sanders & Smythe Project Solution, UK and ROI
September 2012-December 2014

- Contributed to design and construction of overpasses on a 100-mile-long stretch of the M1 extension.
- Undertook research opportunities into maintenance of cantilever structures using the Forth Bridge.
- Developed project management skills, leading teams of up to 20 maintenance technicians.
- Produced new supply of USM instruments for in-service steel bridges, achieving a 12% cost-saving compared to previous supplier.

Junior Civil Engineer

Racon & Lewis Lts., York, UK
August 2010- March 2012

- Assisted senior engineers with tasks related to ensuring project success.
- Inspected all materials to ensure project specifications and quantities properly met.
- Examined all major structures and supervised any revisions made.
- Monitored construction and inspected installation of major systems.
- Assisted with and independently produced many engineer reports.

EDUCATION

BSc Engineering, September 2007-June 2010

De Montfort University, Leicester

Skills

- **Data Analysis.** Adept at stress tolerance analysis for new and existing materials to determine optimal construction and maintenance methods.
- **Teamwork.** Acted as leader and member of multiple international teams.
- **Adaptability.** Able to develop agile responses to budgetary and time-based constraints.
- **Communication skills.** Maintained high levels of communication with team members and stakeholders using a variety of channels.
- **Design skills.** Led on innovative and low environmental impact designs.

Awards

- Shortlisted for British Engineering Excellence Awards Design Team of the Year, 2018 and 2019.