

John Evans | Curriculum Vitae

✉ john@jhevens.co.uk • 🌐 www.jhevens.co.uk

John Evans is a Venue Consultant at Arup. Working in a multi-disciplinary team with architects, engineers and designers, he specialises in the design and commissioning of complex technical systems for performance venues and studios.

Employment

Arup

Venue Consultant

Winchester

Jan 2019-current

Worked in a multi-disciplinary consulting team on specialist engineering projects in the performing arts; including specification and concept design of electrical systems, broadcast and communication systems, and stage machinery. Collaborated closely with artistic stakeholders, engineers, designers and architects to create performance venues and systems as part of Arup's client-focused, holistic approach to arts and culture; clients include the BBC, the Royal College of Music, Leeds Beckett University, and the University of Liverpool.

ADC Theatre

Technical Manager

Cambridge

Sept 2016-Nov 2018

Responsibilities ranged from advising, training and supervising students on equipment and techniques, to theatrical equipment maintenance and testing, as well as planning and scheduling building upgrades and improvements. Responsible for annual technical budget of approx £35k. Project managed a major refurbishment of the theatre's lighting system and signal services, including the installation of new dimmers, wiring and patching.

Pleasance One/Pleasance Grand, Pleasance Theatre

Venue Crew

Edinburgh

2015-2016

Underground Venues, Buxton Fringe

Technical Manager

Buxton

2013-2015

Jacobs Engineering

CAD Technician

Whitehaven

2012

Skills and Experience

Consultancy and Design

- Good teamwork and interpersonal skills, with considerable experience working in small teams under pressure. Participation in artistic and technical stakeholder engagement through workshops.
- Knowledge of relevant standards, legislation and codes of practice related to the performing arts and technical systems.
- Committed to continuing professional development, attending trade conferences, training on specific equipment and obtaining industry specific certifications on common entertainment technologies.
- Excellent written and verbal communication skills, with experience writing in depth technical reports and specifications, and creating drawings and documentation packs for tender.
- Experience of budgeting and providing cost estimates for procurement of large scale technical systems.

Theatre Management and Maintenance

- Day-to-day management of backstage facilities, managing workshop time, storage, and logistics. Regular procurement of both regular supplies and capital equipment purchases.
- Equipment experience ranges across ETC Eos, Zero88 and Strand lighting consoles, Yamaha and Allen & Heath digital audio consoles, Dante networks, wireless microphone systems, d&b loudspeaker systems and common LED lighting fixtures.
- Significant experience PAT testing and maintaining theatrical equipment such as lighting fixtures and cabling, problem solving, ordering spare parts and fixing electrical problems.
- Management of theatre health and safety, regular emergency systems testing, and maintenance/up-keep of workshop tools and electrical systems.
- Experience training theatre users on stage equipment and skills, such as sound mixing, counterweight flying and basic carpentry.

Installation

- o Electrical installation skills including containment installation, cable pulling, termination and commissioning of audio, video and data tielines, as well as mains electrical circuits.
- o Mains certification and testing experience to BS7671 on single and three phase circuits, submains and control circuits.
- o Experience designing, constructing and installing custom control panels using devices such as contactors and timers to create custom power sequencing, switching and control systems.

Software and Digital Development

- o Experienced user of Windows, MacOS and Microsoft Office; some experience of Linux systems.
- o Confident user of Autodesk AutoCAD and Autodesk Revit for drawing and modeling; experience of Rhino & Grasshopper patch development and some Revit API development.
- o Variety of experience using specialist performing arts software such as lighting & sound console offline editors, QLab, Sennheiser Wireless Systems Manager, Dante Controller/Dante Virtual Soundcard, d&b ArrayCalc, Vectorworks Spotlight and Pro Tools.
- o Experience creating scripts to automate processing of data between documents and schedules for creation of technical documents and similar.
- o Various experience during degree of scientific analysis using Python and C, as well as typesetting reports using LaTeX.
- o Hobbyist embedded systems programming and electronics design, using FreeRTOS/C based platforms. Basic PCB design skills using KiCad.

Qualifications

St. John's College, Oxford University

MPhys (Hons) Physics, Upper Second Class Honours

2012-2016

Thesis Title: Measuring the Earth's atmosphere from a novel small satellite infrared radiometer

Wrote custom tools and software to interpret data from an experimental satellite based instrument, investigated compliance with engineering and scientific targets, and analysed areas for improvement in future instruments. Completed thesis won Met Office Academic Partnership Prize.

Professional certificates

- IPAF PAL 3a/3b MEWP license
- CSCS Card (IET Professionally Qualified Person)
- City and Guilds 2382-15 Requirements for Electrical Installations
- Dante Level 3 Certification
- St John Ambulance First Aid at Work