Phil Monk

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**Personal Profile**

A very experienced Lead engineer/System Architect, working across a wide scope of industries, from automated handling equipment, precision printing, food manufacturing to analytical instrumentation. From the concept and design stage, through to commissioning. Managing teams from a few staff to over 50, on small to large projects. Both as a contract manager and as a department head.

**Work History**

**Lead Applications developer/SCRUM Master**

InVMA

***Jan 2019 - Present***

InVMA are a leading PTC Thingworx integrator, with several software applications in live production environments. Many bespoke projects for various industries, manufacturing, services and medical.

* Delivered software projects from concept/design to deployment.
* Project/development lead.
* Senior infrastructure architect/DevOps
* Azure and AWS administrator.
* Kepware/Microserver/Lua script lead.
* Jira Administrator.
* Sprint/release Planning and deployment.

**Senior Applications developer/DevOps**

SMS Automation

***May 2018 –December 2018 (Contract)***

SMS are a bespoke machine builder, building robotic and process control machines for various industry’s

* Project lead on several software projects
* Senior software engineer for Siemens and ABB automation projects.
* Safety PLC software lead.
* Development of IoT solution for major customer.
* Design, development and deployment of new internal servers/VM’s/Firewalls/VPN

**Program Manager/System Architect**

Factora Solutions

***December 2016*** – ***May 2018***

Factora solutions are based in north America (now part of PTC) and provide consultancy to a range of industry’s on IOT (internet of things). Providing MES solutions to enable companies to improve performance and reduce waste. A world technology integrator providing cutting edge to a wide range of industry’s (Food, Pharma, Paper)

* Project manager for all UK projects, delivering multiple MES systems to food industry.
* Managing all aspects of the project, including deliverables, milestones, risks, stakeholders (ETC).
* Weekly reporting and presentations to both internal and external board members.
* Daily interaction and management of technical team.
* Point of contact for project information.
* Budgeting and cost projections for UK projects.
* Advising and involvement on technical solutions.

**Project Engineer/Manager (Contract)**

Short term projects

***July 2016*** – December 2016

Working on various project, across several work streams, including

* Solar energy heating system projects (Installation management, sales negation)
* Control system software project for materials handling equipment
* Retail point of sale web services (PHP and SQL)
* Research and direct sales.

**Site Engineering/Project Manager (Contract)**

Kinnerton Confectionary

***November 2015*** – July 2016

Chocolate manufacturer with customers such as Marrs, M&S and most of the high street retailers. Producing high quality chocolate products that are diverse and innovative. Branded in both own and supermarket packaging, a developing site striving to innovate in a retail environment driving the reduction of sugar content in products.

* Head of the site engineering department.
* Concept to delivery of CAPEX projects including budgetary control and justification.
* Project management of upgrades, modifications and installations.
* Devising and driving the delivery of new technology to replace mechanical process.
* 3rd line support for PLC/software support.
* Design, create and commission of energy efficient control system.
* Mentor engineers on PLC application and software.

**Facilities/Engineering Manager**

Dematic/NDL at ASOS (Permeate)

November 2012 – November 2015

Worldwide online fashion clothing website, serving the world from the site in Barnsley. Over 4 million sq ft of floor space warehouse with over 14 million sq ft of storage space employing over 4000 people. Providing engineering customer service for ASOS, Dematic (who were part of Siemens) Are world leaders in automated warehouse equipment, at ASOS they have provided Cranes, Conveyors and Elevators, and all MHE required to complete the system.

* Head of the Engineering and Facilities department
* Responsible for management of 2/3 line support for all breakdowns on site.
* Creation and modification of complex multi-PLC software(28 controllers)
* Technical management of all automation systems.
* Training and development of staff, across multi-disciplines
* Management and drive of Continuous improvement of all the new/old automation systems.
* Project management of upgrades, modifications and installations.
* Developed and produced statistical reporting on systems.
* Design, creation and implementation of Electronic jobsheet and PPM system (php5 and SQL).

**Facilities/Engineering Supervisor**

**inspirepac Weatherby**

***November 2011***  – November 2012

Market leaders in fine art print on corrugated board packaging. Supplying point of sale display packaging to food industry and supermarkets.

* Supervision of engineering team and day to day running of the workshop. Including health and safety, control of contractors work permits and training of shop floor staff.
* Spare part procurement and purchasing.
* Project management of upgrades and installations.
* Design, build and implementation of new control systems (Siemens S7-300) to update old equipment and improve efficiency and safety of machines.
* Documentation of changes and modifications to installed machines.
* Maintenance and process trouble shooting on the machines. Including Mechanical, pneumatic and electrical problems.
* Out of hours phone support, including call out, for critical machine repairs.
* Key member of lean manufacturing implementation team.

**Field Service/Project Engineer**

BOBST Group

***June 2007 – November 2011***

The world's leading suppliers in the development and manufacture of Printing Presses, Die cutting and Folder gluer machines. With 3 main factories, Swiss, Shanghai and Brazil.

* Installation and commissioning of machines at customers premises. Including Electrical, Pneumatic and hydraulic services
* Trouble shooting and resolving faults on machines including pneumatic and hydraulic issues.
* Leading engineer on power register system.
* Project management of Installations at customer premises.
* Implementation of modifications and comprehensive reports on issues during installation and modification.
* Documentation of changes and modifications to installed machines.
* On-site maintenance work on the machines.
* Telephone advice on solution to problems encountered.
* Regular visits to production facility for training and development of products
* Service activities Europe wide.

**Contract project Engineer**

May ***2004 – May 2007***

I was a contract engineer for 3 years + and provided reactive and planned maintenance in various environments including Food and General Manufacturing. Often working as a shift engineer, covering all engineering disciplines. The companies I have worked in include:-

**Speedibake Bradford, Rathbones Kear Wakefield, Speedibake Ltd Wakefield, MOD Sheffield, Toyoda Gosei Rotherham. LBD Barnsley.**

* Reactive and planned breakdown maintenance
* Installation and commissioning of machinery
* Machinery worked includes ovens, fryers, boxing machine, packaging machine, auto counters, doughnut jamming machines, filling machines, bread bagging machines, ovens big,
* Fault finding and Planned Preventative Maintenance
* Mechanical / electrical split depended on contract being carried out.
* Continuous improvement and 5S within Speedibake and 5S project worked on included redesigning plant equipment, improving PLC driven machinery, rewrite software for controllers and changed mechanical design of machine.

**System Engineering Technician**

Royal signals British Army

Reserve :-***June 2004*** – ***July 2012***

After Completing Basic training, I went on to specialist training as a technician, after completing several tours of duty with the Territorial army. I gained extra qualifications as a Physical training instructor and badminton coach, and still instruct a training class for the general public.

* Maintenance of various communication systems.
* Inspection and test of radio and IT based systems.
* Control of crypto material(requiring Security clearance).
* To stay fit and healthy.
* To follow the core values of the forces.
* Working as a team to achieve our order mission.

**Qualifications**

**PTC Thingworx developer** 2019

**Java Script developer** 2018

**Azure/AWS admin informal training** 2019

**ABB Mint Move software developer** 2018

**PMP (PMBOK5)** 2017

**16th Edition IEE Wiring Regulations, Barnsley College** 2005

**Health & Safety** ; IOSH Managing Safely 2014

**City & Guilds** ; Electronic Electrical Engineering C&G 224 1993

**Apprenticeship**; Electrical engineering HNC 1994

**Siemens S7 PLC** 2015

**Physical Training instructor (British Army) basic and all arms (reps level2/3)** 2011

**Technical System engineer Level 1-3**

**(EW, Promina Trunk systems, MS exchange, NT Server)(British Army)** 2004

**Many other bespoke training courses.**