Michael Wagstaffe
ENGINEER, SOFTWARE DEVELOPER & MANAGER

An accomplished and proficient Engineering Manager, Technical Strategist, Software, and Hardware Developer bringing 19+ years' experience in developing software and hardware with 10+ years in leadership and management. Motivated and results-focused with a proven track record of developing cutting-edge solutions that address a range of challenges, from industrial control systems to high-level plant system, complimented with a strong understanding of platforms, languages and technologies, as well as an in-depth understanding of modern cloud-based platforms, machine learning and IoT technologies.

EXPERIENCE

UK & Ireland Engineering Manager, Control Techniques Ltd, Telford, JAN 2016 – PRESENT

- Stabilised a business loss of an engineering department that was losing many high-profile long-term customers as a result of poor support and practice, by setting up a new engineering function, resulting in supporting the overall growth of the business by attracting new high-value customers and to achieve double-digit profitability, in a total 5 years.
- Ensured the team had the necessary strategies, training and development plans to consistently achieve in line with business objectives, including introducing Agile process across the teams to allow them to become more responsive.
- Developed and implemented robust software development processes, with support and reviews and code management and engaged with external customers to ensure their buy in to the development cycle.
- Transformed the customer issues management process, resulting in the use of a ticketing-based system to track customer issues maintain visibility and to resolve issues efficiently and first time.
- Recognised as the leading authority for all Software application IoT applications.
- Developed software and web-based applications for customers, including remote IoT and machine learning led software to support intelligent self-learning applications.
- Redefined the customer interfaces into the engineering team, to develop a customer first approach.
- Developed bespoke custom web-based and AI machine learning driven applications, relevant interfaces, and APIs for automation systems, using modern frameworks including Node.JS, Go and .NET Technologies etc, and acting as design authority in all such systems.

New Product Implementation Engineer, Gestamp Tallent Ltd, Cannock, JUN 2014– JAN 2016

- Led highly-motivated and focused multidisciplinary teams of engineers, including management of all technical aspects of large-scale projects for all major automotive clients.
- Reviewed project deliverables to ensure schedules were maintained, while meeting with quality standards, endorsing changes to plans where applicable.
- Coordinated the production assembly line for leading edge electric vehicles, including enhanced production monitoring and feedback systems consisting of web-based control and monitoring systems through complex industrial API systems and in-depth low level communication protocols.
- Introduced new web-based monitoring technologies to an automotive production environment.
- Monitored the activities of the NPI team to ensure delivery of new equipment technically competent with the customer's requirements and coherent with company standards and best practice.

CONTACT

Telford, Shropshire
mike-w.co.uk

SKILLS OVERVIEW

- Strategic Leadership
- Software & Hardware Development
- Process Improvement
- Project Management
- Full Lifecycle Development
- Strategic Management
- Agile Framework
- Risk Management
- Adaptability
- Change Management
- Budget Management
- Colleague Coaching & Mentoring
- Sales & Marketing

QUALIFICATIONS

2020: MANAGEMENT DEVELOPMENT PROGRAMME
2019: AGILE PROJECT MANAGEMENT PRACTITIONER
2008: PRINCE2 PRACTITIONER
2008: PROFESSIONAL DEVELOPMENT MENTOR
2008: IDENTIFYING & DEVELOPING COMPETENCE
2008: REGISTERED ENGINEERING TECHNICIAN (EngTech)
Ongoing: CHARTERED ENGINEER (CEng)
2007: AVAILABILITY, MAINTAINABILITY, RELIABILITY PROGRAMME MANAGEMENT

EDUCATION

2002: BENG (Hons) Electronic & Computer Engineering, Upper Second Class, Staffordshire University

1998: BTEC National Diploma Engineering (Electronics). Pass with Merit, Shrewsbury College, Arts & Technology

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- Created and updated technical specifications and supported both commercial and advanced engineering teams with valid technical and commercial proposals and solutions during the customer quotation phase, for all major automotive manufacturers.
- Successfully managed a consignment of automation equipment valued at circa £1 million.
- Prepared generation of specifications and costs working with line builders and the purchasing department.
- Coordinated the CE marking and safety verification process to ensure the safety of equipment and compliance to statutory, plant and group requirements.
- Promoted team involvement in all HSE activities, initiatives and programmes, technical safety point of contact for the business and the Health & Safety department.
- Delivered training to maintenance and manufacturing staff on new equipment, assessed performance, conducted appraisals and recognised individuals' needs for further coaching and training.

New Applications Engineer, Ishida Europe Ltd, Birmingham, APR 2012 – JUN 2014

- Delivered the successful development and integration of a replacement document management system supporting the change over from standard 2D CAD to an Electrical and 3D CAD system, including developing interlinking applications, utilising.NET platforms including Windows Communication Foundation, Windows Presentation Foundation and writing shared libraries, interfacing with other software API's and managing data in SQL Server databases.
- Successfully managed projects valued at circa £100k from the control systems and software viewpoint and delivered within agreed schedule.
- Responsibility for the management, development, and implementation of new control systems, across a range of systems, as well as for commissioning support, and on-going service support with respect to all control systems developed within the company.

Control Systems Design Engineer, Ishida Europe Ltd, Birmingham, JAN 2009 – APR 2012

- Recognised as the sole PLC literate control systems engineer in the company.
- Designed, developed and tested all PLC and motion applications, as well as cross over into higher level languages, for visualisation and interfacing into Java software and embedded microcontroller systems with C and C++.
- Renowned as the Leading Authority on the design and development of motion control systems, including servo, stepper and inverter-based systems.
- Instrumental in the design and development of control systems, for new and existing machine, utilising embedded control, and PLC control.
- Supported customers with upgrading, and operating machines.

Control System Engineer, Chassis Systems Ltd, GKN, Telford, NOV 2003 – JAN 2009

- Responsibility for all the software and control across the plant, as well as developing coding and documentation standards, as well as developing a wireless TCP call out system.
- Developed, implemented and maintained all control and robotic systems related to a large-scale automotive assembly line.
- Oversaw the development and management of new control systems, from small systems to new assembly station projects, as well as the development of plant standards, for all control systems.

Worked as a Work placement Student at Southampton Oceanography Centre, Southampton from Jun 2000 to Aug 2001

TECHNICAL SKILLS

Application Development
Cloud Computing (AWS, Google)
Mobile Applications
Internet of Things (IoT)
Networking & Communications
Scrum
Virtualisation
Technology Evaluation
Web Development & Platforms
Software Analysis & Design
Object Oriented Technology
Server / Hardware Management
Machine Learning
Industrial Control Systems
Motion Control
Industrial Robotics
Electrical Design
Supervisory and Monitoring Systems, (Commercial and Bespoke)

PROGRAMMING LANGUAGES

.NET Framework & Core
Java
Go
HTML, CSS & JavaScript
C / C++
Python
SQL and No SQL Databases
Assembly Language
PHP
Ruby
Dart

ADDITIONAL INFORMATION

Under 8's RUGBY HEAD COACH
Shrewsbury Rugby Coach

REFERENCES

On Request