**KUMAR BATTU**

Automotive Functional Safety Engineer/Manager

Contacts:

Email: [kumarbattu@gmail.com](mailto:kumarbattu@gmail.com)

UK Mobile: +44(0)7831 544572

India Mobile: +91 929 340 7925

**PROFILE SUMMARY:**

* Masters in electrical engineering with over 15 years’ experience in developing control systems for Automotive, Avionics and mission critical applications
* I have strong working knowledge of Automotive Functional Safety Standard (ISO 26262) and its practical application in Drivetrain, Chassis and body Controls
* I have defined technical workflows for the development of electronic systems in accordance to functional safety standard and mentored development teams
* I have interfaced with cross-functional teams, suppliers and external assessors during product development and safety assessment
* I am experienced in various product development life cycles and quality processes including CMMI and SPICE
* I have hands-on experience in independently carrying safety analysis including FMEA, FTA and specifying safety requirements

**EXPERIENCE DETAILS:**

**Period:** January 2015 to Dec 2015

**Role:** Functional Safety Engineer, McLaren Automotive, UK

**Major Responsibilities:**

* Worked as safety engineer in the development of drivetrain systems
* Carried out safety analysis including FMEA & FTA and recommended actions for risk reduction
* Specified safety requirements to detect and handle failures leading to the violation of safety goals
* Coordinated with software development teams for the implementation of safety requirements and validation
* Coordinated with suppliers for the implementation of allocated safety requirements at hardware level
* Review and update of Hazard Analysis and Risk Assessment, Safety Goals and Safety Concept
* Maintained safety artifacts and traceability in IBM Rational DOORS

**Period:** January 2011 to December 2014

**Role:** Safety Manager, Hyundai Mobis Research and Development

**Major Responsibilities:**

* Defined Organisational product development processes in accordance to Functional Safety Standard, ISO26262
* Interfaced with suppliers, prepared and maintained Development Interface Agreements (DIA) with suppliers
* Carried out Safety Analyses including FMEA &FTA and derived safety requirements
* Worked along with development teams in implementing and validating functional and safety requirements in accordance to the requirements of ISO26262
* Maintained safety artifacts including safety goals, safety analysis, safety requirements and their implementation and validation
* Interfaced with external assessor (TUV SUD) for safety assessment of in-house developed systems and achieved targeted safety compliance

**Period:** January 2008 to December 2010

**Role:** Automotive Systems Engineer, Robert Bosch

**Major Responsibilities:**

* Interfaced with globally distributed teams for the development of ECU software
* Derived software requirements from system specifications
* Mentored teams in the development of ECU software in accordance to CMMI processes
* Prepared and managed project development and validation plans from concept to production

**Period:** August 2000 to December 2007

**Role:** Controls Engineer at Space Research and Development

**Major Responsibilities:**

* Developed software for the control of antenna servo systems used in satellite communication earth stations
* Designed Electronics hardware used antenna servo control applications
* Integrated antenna control systems and commissioned at the earth stations

**EDUCATIONAL QUALIFICATIONS:**

* Post-graduate master’s degree in Electrical Engineering (M.Engg.) from Anna University, India, passed in first class in year 2000
* Bachelor’s degree in Electrical Engineering (B.Tech) from Nagarjuna University, India, passed in first class in year 1998

**PERSONAL DETAILS:**

* Nationality/Passport: Indian
* Date of birth: 06/06/1975
* Address: The Exchange, Oriental Road, Woking, Surrey, England, GU22 7PH