Principal Software Engineer

Job ID: 0010033
Location: Bangalore, India
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Description:

As a Principal Software Engineer at HABER, you will translate use case to firmware design, write efficient, high quality and maintainable code and develop testing strategies. You will be a product champion focussed on new product development and enhancements to existing products. You should build bridges from one system to another for bidirectional communication.

Qualifications:

- Bachelor's or higher degree in CS, EE or related field
- Experience working with control systems, industrial networking and communication protocols
- Must have at least 6 years of programming experience to implement products ground up with proficiency in a variety of languages such as C / C++ / C# / Java / Python / Perl / PHP / Scala / Javascript to name a few
- Must be able to break down larger ideas to smaller repeatable and reliable modules which should result in reuse as and when required
- Should be able to make alteration to the design chosen if requirements change or there is a gap between the requirements and the design
- Should follow industry practises for code hygiene, repository use, build and deploy systems
- Should have experience to setup the build and production environment both in cloud as well as in house bare metal
- Ability to estimate the time required to implement a design in parts or as a whole
- Require the knowledge to troubleshoot and fix issues and give workarounds where fix is not possible in the near time
- Contribute individually as well as in a team
- Should have sound knowledge of various data storage systems such as RDBS, Distributed Storages, Flat archive storages, Caches, Column DB etc.
- Implement SOA architecture whenever required
- Bridge one system to another using API and use global conventions and standards
- Practical knowledge of encryptions and security required for authentication, authorization of resources
- Mentor a team of at least 4 people
- Should understand statistics and its use in Analytics e.g., integration with existing analytics packages or create one's own
- Implement algorithms both at the backend and front end requiring some aspect of AI
- Ability to use AI libraries in Scala / Python / Java to make use of the algorithms such as clustering, prediction, anomalies, Markov Chains
- Experience in creating and deploying a full-fledged software system in the cloud
- Basic knowledge of programming microcontrollers in C or assembly or Python
- Exposure to build application for mobile (iOS/Android)
- Ability to create a Work Breakdown structure from a design and create a project schedule
- Ability to work on a milestone basis as well as long term vision
- Aspire to architect solutions and products

- Come up with inline innovation as well as more efficient paradigm shifts in design and implementation

About Haber

At HABER, we are solving the challenges of tomorrow, today. We are bringing together the best minds in process, computing and chemistry to develop solutions to address some of the world's toughest challenges – water and energy scarcity and sustainability. Over the past few years there has been an explosion in unstructured data across industry driven by affordable sensing technologies and adoption of analytical instrumentation. This sudden increase in data has resulted in industries spending significant amounts of time collecting, organizing and analysing content and very little time driving value with the data. HABER is focussed on reversing this trend by helping our customers spend less time collecting and analysing data and more time using HABER's platform to drive efficiency, identify issues before they happen and uncover hidden potential.

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