Job Notification Form, IIT Delhi

Company Overview

Name: Robert Bosch Engineering and Business Solutions Private Limited

Website: https://www.bosch-india-software.com/en/our-company/about-us/

Company Type: Core (Technical)

Description: Robert Bosch Engineering and Business Solutions Private Limited (RBEI) is a 100% owned subsidiary of Robert Bosch GmbH. We are one of the world's leading global suppliers of technology and services, offering end-to-end Engineering, IT, and Business Solutions.

With a global footprint and presence in US, Europe, Japan, China, and the Asia Pacific region, we are at the forefront of designing, developing, and executing IoT ecosystems through our all-encompassing capability within the 3 aspects of IoT – Sensors, Software, and Services.

We have always focused on improving the quality of the life of people, providing newer revenue-generating opportunities, and improving operational efficiencies for enterprises through an array of solutions. With our unique ability to offer end-to-end solutions that connect Sensors, Software, and Services, we enable businesses to move from the traditional to digital, or improve businesses by introducing a digital element in their products and processes.

Job Details

Designation: Senior Engineer

Type: Information Technology

Place of Posting: Bangalore

Job Details: 3. BLOCKCHAIN
Requirements: Engineering degree in E&E, E&C, CSE (B Tech– Dual degree)
If programming, love for new technologies, and a high degree of excitement on how tech can impact the world wakes you up every day, WELCOME onboard.
We are a young (really !!) and a small team with high aspirations.
We are looking for go-getters who would join us in this journey to build products and architect solutions in the blockchain space
Here's what to expect!
1.You will apply blockchain tech to solve problems in the domains of Mobility, Healthcare, Energy, Retail and possibly consumer goods too
2.Youwill have an opportunity to create new ideas in the intersection of Blockchain, AI and IoT
3.If you are smart, you will create a network with experts in the AIoT space

Skills that we would love you to have,
1.Knowledge and hands-on experience in one of the following languages: Node.Js/GO/Solidity.
2.Strong in data structures and algorithms
3.Exposure to blockchain technology frameworks like Quorum, Hyperldger fabric etc., is a huge plus
4.Interests in Cryptography

4. CYBER SECURITY

Requirements: Engineering degree in CSE only (B Tech– Dual degree)

Cybersecurity Engineers: The dark side of the digital age are hackers, criminals, and terrorists etc. who are continuously on the prowl to exploit weakness. You will be part of Bosch cyber security team dedicated to building and maintaining products which are secure by design and resilient to attacks in the new ecosystem. Position Overview: Bosch's vision is to have each of its product cyber secure with state-of-art security. The Product Cyber Security team within Bosch Organization is leading the cybersecurity efforts. This position will provide an opportunity to work with global engineering teams across multiple domains viz., Autonomous cars, IoT, Maritime ships, Cloud Infra., Healthcare Agriculture etc. The activities include evaluating and implementing the latest cybersecurity technologies, defining and deploying risk assessment methodology and cybersecurity development process applicable to cyber-physical systems.

Roles and Responsibilities include but are not limited to
• Develop and enhance Product cybersecurity capabilities, Product cybersecurity goals and requirements
• Develop and perform cybersecurity tests.
• Develop and improve Product cybersecurity incidence response

Here's what to expect!

1. You are part to team that aids building in secure products. You will be expected to have a sound knowledge of Computer Security, Cryptography, Operating System, Networks, Embedded systems etc.

2. You have to explain why something is (in)secure viz., perform threat modelling, vulnerability analysis or penetration testing,

3. You have to build deep system understanding so as to work cross domain. with engineering teams of Bosch and its customers.

4. You would have to think like the hackers and accordingly plan build additional layers

Skills that we would love you to have, -A Security Engineering aptitude

5. AI & ML

Requirements: Engineering degree in E&E, E&C, CSE (B Tech– Dual degree)

A - Job Description

Here's what you will be doing at Bosch:

☐ Develop tools and enablers for curation of data for training of algorithms for Automated driving. Apply statistical methods and data analytics to understand data distribution.

☐ Create advanced data visualization applications

☐ Focused on key detection, Classification and cognition-based decision-making using Image, Video. Areas like Security, Autonomous driving, Behavioral aspects use this technology for different decision making. Knowledge of running these algorithms and Processing on EDGE will be extremely important

Skills that we would love you to have, and which you will definitely have after working with us!

☐ Machine learning algorithms, AI systems,
☐ Statistics, Data Analytics
☐ Tools aiding Machine learning
☐ Natural Language Processing
☐ Python programming language, C, C++, JAVA | UI based technologies (Java Script, Type Script etc.)
☐ Know-how of SAP or similar ERP applications
☐ Know-how of Big data eco system
☐ Most importantly, an attitude to build the best product/solution

B - Job Description - Cognitive Automation

You will be part of Cognitive Automation team. You will work with customers to transform their Digital journey adding cognitive automation

Here's what to expect!

☐ You are developing Machine Learning, Deep Learning algorithms for unsolved problems in the technology area –Computer Vision, NLP,

☐ You have to explain why something works or not using data –here you are a data guy

☐ You have to find that elusive data through innovative algorithms, as we actually spend a lot of our time looking at data. And that's data science!

Your job would involve looking at the nature of the data and current AI algorithm performance, Derive insights or patterns in failures, define a hypothesis for the solution making. You will also be responsible to conduct Experiments by building the needs of experiment using Pytorch, TensorFlow, Python, etc.. You would also find effective means of documenting the experiment results and measure the effectiveness of the experiment.

Skills that we would love you to have, and which you will definitely have after working with us!

☐ Intuitive understanding of the DL math, model behaviors, techniques already available in open world

☐ Pytorch, TensorFlow, Python, Pandas, Nupmy, DASH, Jupyternotebook, etc..

☐ Most importantly –data aptitude

6. Cloud and IoT

Requirements: B. Tech in Computer Science with Specialization in AR/VR/Computer Vision

A. JOB DESCRIPTION

Development of solution that leverages IoT and AI to help customers achieve their energy savings, asset productivity, and sustainability goals.

If you want to be a part of building a cool next gen product, this is the place to be!

We are looking for technical champions and product enthusiasts to join us in this journey and enrich this customer offering by

☐ Digging deep into the vast amount of data, building ML algorithms and analytical systems to deliver insights and inferences at scale

☐ Expanding this analysis with automated explanation and adjacent applications

☐ Enhancing the configurability and strengthening the robustness of the platform's tech foundation

☐ Building the most intuitive and interactive user interface

You can choose to be involved in all of the above or pick a specific area.

Key skills that we would love you to have, and which you will definitely have after working with us!

1.AWS architecture for IoT and related components, Python

2. Most importantly, an attitude to build the best product!

B. JOB DESCRIPTION

We are in the exciting and cutting-edge for advancements in Cloud and Edge technologies driving Digital Transformation projects.

We are looking for go-getters who would join us in this journey and design and develop the software by leveraging the power of cloud & Intelligent cloud.

If you are a person who says "I am a cloud software engineer" then we are game. This means,
1.You are passionate about programming in general
2.You embrace the IoT & Cloud technologies and are familiar with it.
3.I like OOPS not scripting
4.You are familiar with one of the main public clouds like AWS, Azure, Google Cloud

Here's what to expect!
1.You are developing cutting edge software embracing the power of cloud and will build customer solutions / products
2.Working with established high-quality framework –OOPS only, no scripts
3.Highly optimized code for Intelligent Cloud with Cognitive, Predictive Analytics (Intelligent Cloud)
4.Highly scalable code for extending it for the next experiments

Skills that we would love you to have,
1.Microsoft C#.NET, Java
2.Most importantly – "I love coding"

7. Site Reliability Engineering & DevNet

Requirements: B. Tech in Computer Science with Specialization

Enterprise IT Networks are getting increasingly powered by Automation & Programmability. Bosch is building an intent-based network (IBN) based on contextual information-which would be securely connected and integrated across platforms.
As we move towards an agile and reactive network-we are looking to add young enthusiastic associates to our growing SRE team:
☐ Possibilities to get deep knowledge and work on Software Defined Network (SDN) technologies of OEMs like Cisco, Aruba
☐ Work on Development and Testing of API based integration of SDN controller platforms e.g. Cisco DNAC, Aruba, SD-WAN
☐ Get experience in programming and testing skills for SDN automation
☐ Develop software and systems to manage platform infrastructure and applications
☐ Automate system and application infrastructure using IaC[Infrastructure as a Code] solution
☐ Great intercultural experience with teams from India and Germany

Skills: Python, Java, C/C++, Ruby, and JavaScript, Deep knowledge on APIs and SDKs, Knowledge on IT Networking

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☐ Develop software and systems to manage platform infrastructure and applications
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☐ Great intercultural experience with teams from India and Germany

Skills: Python, Java, C/C++, Ruby, and JavaScript, Deep knowledge on APIs and SDKs, Knowledge on IT Networking

Joining By: 1 August 2022

Salary Details

CTC: 1,600,000 INR Per Annum

Gross: 1,368,967 INR Per Annum

CTC Breakup: Compensation and Benefits Plan

Name: Ms. Shritha Bharadwaj
Qualification: M.E / M. Tech
Designation: Associate Software Engineer
Level: 51
Components Per Month Per Annum
Rs. Rs.

Rs. Rs.
Cash Components
Basic Salary 46667 560000
Buffet of Benefits (HRA, LTA, Telephone, SAF Contribution, etc) 67414 808967
Gross Salary 114081 1368967

Retirals / Statutory Contribution
Company Contribution towards Provident Fund (12% of Basic Salary) 5600 67200
Gratuity (4.81% of Basic Salary)* 2245 26936
Total Retirals / Statutory Contribution 7845 94136

Variable Pay**
Company Performance related Pay - CPrP at factor 1.0 company achievement 136897
Total Cost to Company 121925 1600000
National Pension System (NPS) Optional - Company Contribution 38000

Perks / Bonus:	200000 Joining Bonus (two lakh joining bonus)

Selection Process

Resume Shortlist:	Yes
Written Test:	No
Online Test:	No
Group Discussion:	No
Medical Test:	No
Personal Interview:	Yes
No. of Rounds:	2
No. of Offers:	25
Minimum CGPA:	7

Eligibility

Recruiting PHDs:	No
Eligible Departments:	B.Tech in Computer Science & Engineering, B.Tech in Electrical Engineering, B.Tech in Electrical Engineering (Power and Automation), B.Tech and M.Tech in Computer Science & Engineering