

Engineer - Software Analysis and Design

(Position Code M08)

Role and Responsibilities:

Software Analysis and Design Engineer is an analytical, logical and technical individual who craves for innovation and loves perfection and, has great knack of design. He is an individual who believes in doing things differently without losing sight of the user. He is born to make the life of the user of the product as comfortable as possible; close to automation. He takes care of the 'How the product should work' part of the product.

As a Software Analysis and Design Engineer, he will work with Product Manager – Technical to prepare a top-level and detailed design of the products' software features and functions.

His responsibilities would mainly include.

- Translating the product requirement into product design.
- Detailing and documenting each feature and function of the product from technological, design, development and usage point of view using UML concepts like Activity diagram, State diagram, Use-Case diagram, Sequence diagram, Class diagram, etc.
- Designing the product software that is easy to configure, intuitive in use and remotely maintainable.
- Engaging closely with the software development engineer to determine the best design and efficient implementation methods within reasonable time frame.
- Working closely with the Technical Support Team to seek more feature requirements and take user feedbacks on features designed by you.

Requirements:

- B.E / B Tech in Electronics / Computer Science / M Sc. in Electronics/MCA or equivalent.
- 2-3 years of product design experience preferably of telecom products.
- Experience/Knowledge in either of the following:
 - In-depth knowledge of IP protocols viz. TCP/IP, RTP, RTCP, FTP, Telnet, DHCP, DNS, RSVP, SMTP, SNTP, SNMP, etc.
 - Knowledge of various telecom protocols viz. BRI, PRI, E1-CAS, T1-RBS, SS7, etc.
 - Knowledge of various protocols for sending Voice over IP viz. SIP, SDP, RTP, RTCP, H.323, MGCP, IMS, etc.
 - Understanding of Wireless technologies like GSM, UMTS, Wi-Max, LTE, GPS, Wi-Fi, DECT, Bluetooth, etc.
 - Experience in integrating/working with various components of a distributed next-generation IP based architecture including Softswitches,

Gateways, SIP Proxies, Redirect servers, Routers, Switches, Media Servers, SIP Phones, IADs etc.

- Knowledge of CTI protocols viz. TAPI, JTAPI, CSTA, etc.
- Good Knowledge of Hardware devices like Micro-Controller, Micro-Processor, DSPs, Memories and other peripherals.
- Good Knowledge of Embedded software design and development principles and practices.
- Ability to collaborate with other teams
- Excellent analytical skills.
- Excellent documentation capabilities.

Freshers with all the above qualities can also apply.