
DSL R&D System Architecture Engineer

Job Description

- RESPONSIBILITIES:
- Definition and specification of the functionality and architecture of DSL Hardware and Software systems, to be used in product development.
 - Follow-up of the defined sub-systems during implementation and validation in order to secure system integrity (also end-to-end).
 - Feasibility analysis of new network and system concepts.
 - Problem analysis of field issues.
 - Network integration and interoperability studies.
 - Participation in standardisation fora (IETF, UPnP Forum, DSL Forum, WECA & others)
 - Advanced technical support for business development & TEC

You will also be involved in the writing of position papers, strategy papers and application notes. Although this is a team-based activity, you will be expected to take initiative and assume responsibility. You will be in regular contact with partners (internal and/or external), other manufacturers and customers.

Profile

- EDUCATION:
- Civil or industrial engineer with specialization in electronics, telecommunication or informatics
- EXPERIENCE:
- At least 5 years of experience in network system design activities
- LANGUAGE:
- Dutch, Fluent English is mandatory
- TECHNICAL SKILLS:
- Networking knowledge (TCP/UDP/IP, PPP, NAT, QoS, DHCP, DNS, firewall, ATM)
 - Experience with different interface technologies (Ethernet, USB, xDSL, wireless LAN)
 - Hardware & ASIC design (e.g. VHDL) experience
 - Software experience (Java, C, C++, XML, driver software (Windows, Mac, Linux), GUI design)
 - Experience with Project Management and Marketing concepts

Contact

If this position is of interest to you, please send your resume to:

THOMSON – Human Resources Dept. (Laure THIERY)
Prins Boudewijnlaan 47, 2650 Edegem–Belgium
Phone: +32 (0) 3 443 6 402, e-mail: laure.thiery@thomson.net

DSL R&D Software Engineer

The SW Development Department is responsible for software development and related aspects during modem development. The product range covers high-speed modems, bridges and routers for Internet access, voice connections and video applications via DSL (Digital Subscriber Line) or optical technology.

Job Description

- RESPONSIBILITIES:
- SW Development in DSL contains: definition, design and implementation of real-time embedded SW and PC Host SW in C/C++, JAVA... using advanced tools and real-time operating systems. IPsec, Firewalling ...
 - In this department you will find a wide range of the most recent Network SW Technologies, such as: xDSL, Routing, Internet access, VoIP, TCP/IP, ATM,
 - Through a focus on the finished article and adjusted structures, an optimal development environment is created for consumer products. The development is done in a project-oriented matrix organisation, which is dynamically adapted to the high-speed market and product development needs.

Profile

- EDUCATION: - Master Computer Science/ Electronics/ Informatics or Engineer IT/ Electronics
- EXPERIENCE: - Overall experience in SW for at least 5 years or recently graduated
- LANGUAGE: - Dutch, Fluent English is mandatory.
- TECHNICAL SKILLS: - Programming languages C/C++, JAVA
- Telecommunication: Experience in design of protocol layers with regard to Internet, IP, ATM, Ethernet
 - Embedded Web design: HTML, XML, HTTP server, diagnostics SW

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DSL R&D Test Engineer

Job Description

- RESPONSIBILITIES:
- The main although mission of your job will be the definition and the development of test processes (Hardware and Software) for broadband equipment and related services developed by Thomson BAPS DSL and their OEM suppliers. The devices under test are business and residential CPE routers, mainly based on xDSL technologies at the WAN side and IP technology at the LAN side.
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 - The focus will be on the automation and implementation of test and validation scenarios for high level and physical layer features, i.e. prepare and perform both manual and automated tests, report and verify problems on modem equipment and integrate the inter-working with in-house and external DSL equipment.
 - The organisation of product testability courses for sub-contractors is also subject of your assignment.

Profile

- EDUCATION:
- Industrial/Civil Engineer Telecommunication / Electronics / IT or Licentiate in Informatics
- EXPERIENCE:
- Telecom protocols: ATM, IP, PPPoE, PPPoA, IpoA, Ethernet
 - Telecom networking, firewalling and security
 - Windows and Apple operating systems
- LANGUAGE:
- Dutch, Fluent English is mandatory. French is an asset
- TECHNICAL SKILLS:
- Test scripting languages: TCL/Tk, Java, including relevant scripting experience in one or both.
 - Programming experience in e.g. C++

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