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Software Engineer – Programmability

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LOCATION:

Milpitas, California, US

AREA OF INTEREST

Engineer – Software

JOB TYPE

Professional

TECHNOLOGY INTEREST

Cloud and Data Center

JOB ID

1221991

About Cisco

Cisco is the worldwide leader in networking that transforms how people connect, communicate, and collaborate. Our technology is changing the nature of work and the way we live.

The Internet of Everything is a phenomenon driving new opportunities for Cisco and it's transforming our customers' businesses worldwide. We are pioneers and have been since the early days of connectivity. Today, we are building teams that are expanding our technology

solutions in the mobile, cloud, security, IT, and big data spaces, including software and consulting services. As Cisco delivers the network that powers the Internet, we are connecting the unconnected. Imagine creating unprecedented disruption. Your revolutionary ideas will impact everything from retail, healthcare, and entertainment, to public and private sectors, and far beyond. Collaborate with like-minded innovators in a fun and flexible culture that has earned Cisco global recognition as a Great Place To Work. With roughly 10 billion connected things in the world now and over 50 billion estimated in the future, your career has exponential possibilities at Cisco.

Learn more at www.cisco.com

Who You'll Work With

The Manageability team provides infrastructure, solutions, and tools, to enable management of Cisco routing and switching platforms. The team drives a cohesive device management strategy across XR, XE/Polaris, and NX-OS. The team is made of a group of manageability and programmability passionate engineers with diversity of skill sets from routing protocol to GUI.

What You'll Do

Cisco is seeking a motivated software engineer with strong background in software architecture, design and implement of Manageability solutions. You will be responsible for innovation and delivery of Enterprise and SDN applications. This is an ideal opportunity for someone with strong technical skills to put their abilities to work in an exciting growth environment.

Role & Responsibilities

Innovate, Architect, Design and Implement software which supports model based management interfaces for Cisco Enterprise product lines.

Work with customer and teams across the organization to define and implement data models in Yang

Enable quick adoption of YANG and standard data models through YANG tools

Work on 3rd party software stack, solutions and integration work

Design software which works seamlessly on small systems and large distributed network elements

Qualification and Desired Skills:

Strong background with User Interfaces development and Manageability infrastructure is required

Experience with Manageability technologies and protocols, such as NETCONF, RESTCONF, gNMI, gRPC, YANG (OpenConfig and IETF models), JSON, XML, Thrift, and Protobuf is highly desired

Good knowledge of SNMP, CLI, and Web UI

Experience with web technologies and languages, such as Django and Javascript.

Experience with the Confd management framework would be a huge plus

Experience with working with controller/NMS/SDN systems would be a plus

Must have worked on software development for products, with emphasis on writing scalable code for embedded networking products

Programming experience in C and Python is highly desired. Experience in Erlang is a plus.

Understanding of networking fundamentals and protocols

Solid foundation in computer science with strong competencies in data structures, algorithms software engineering, and embedded programming techniques

Creative problem solving skills and excellent troubleshooting/debugging skills

Typically requires MSEE/CS combined plus 10+ years of related experience. Experience with equivalent sized organizations (Fortune 500) is strongly preferred.

Excellent written and verbal communication skills

MS/BS in CS/CE or equivalent

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Cisco will consider for employment, on a case by case basis, qualified applicants with arrest and conviction records.

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