Job Role: Software Engineer - Network/Embedded/Application Development

We are Innovators

We drive innovation to propel business transformation while maintaining operational quality.

We are Accelerators

We accelerate digital solutions to generate cost savings and efficiency gains for enterprise growth and success.

We are Transformers

As customer zero, we transform the customer experience by being our own customer first with agility, quality, and security, we continuously deliver business outcomes for our clients.

What You'll Do

Team Description

Team plays a crucial role in driving next-gen software innovations including cloud, mobile, desktop or security spaces. You'll build applications that make technology accessible to people on a variety of devices. Imagine, design, and create solutions to transform how we work, live, learn and play.

Design, develop, troubleshoot and debug software programs for enhancements and new products.

Develop software and tools in support of design, infrastructure and technology platforms, including operating systems, compilers, routers, networks, utilities, databases and Internet-related tools. Determine hardware compatibility and/or influences hardware design

Software Engineer - Networking Protocols

- Solid understanding of computer science fundamentals and software engineering with an aptitude for learning new technologies.
- Fundamentals of TCP/IP networking fundamentals, concepts of routing, switching.
- Basics of routers, switches, network debugging tools, techniques, hands on will be a big plus.
- Fundamentals of security technologies like Firewall, IPS/IDS, VPN, Inspections, IPsec, TLS etc., Conceptual understanding of data security, threat vectors, mechanisms, actors and landscape will be a big plus.
- Strong knowledge of programming and scripting languages like python.
- Strong programming skills inclined towards optimization and performance.
- Familiar with more than one development environment, well-versed with at least one.
- Strong testing inclination to ensure programs are comprehensive and well tested for all use cases.
- Possess creative problem-solving skills and excellent troubleshooting/debugging skills.
- Experience in establishing and sustaining excellent relationships with the extended team.

Software Engineer - Application Software

- Solid understanding of computer science fundamentals and software engineering with an aptitude for learning new technologies.
- Fundamentals of TCP/IP networking fundamentals, concepts of routing, switching.
- Strong knowledge of programming and scripting languages like python.
- Solid fundamentals of object-oriented design and programming.
- Ability to think towards scaling applications to the cloud.
- Strong testing inclination to ensure programs are comprehensive and well tested for all use cases.
- Hands on exposure to open source, mobile application development will be a big plus.
- Exposure to debugging application programs along with development and debugging tools.
- Familiar with more than one development environment, well-versed with at least one.
- Interest in User experience and User interface design and development.
- Possess creative problem-solving skills and excellent troubleshooting/debugging skills.

Software Engineer - Embedded and Systems Development

- Solid understanding of computer science fundamentals and software engineering with an aptitude for learning new technologies.
- Strong knowledge of programming and scripting languages like python.
- Exposure to kernel programming, user space, system space.
- Very strong fundamentals of operating systems.
- Exposure to device drivers, BSPs will be a plus.
- Fundamentals of system level debugging techniques and exposure to tools used.
- Strong programming skills with emphasis on system programming.
- Possess creative problem-solving skills and excellent troubleshooting/debugging skills.

Who You Are

- Pre-final year of studies towards a Bachelor's or Master's Degree in **Computer Science, Computer Engineering, Information Science** and related branches only
- Minimum of an 8.5 GPA or higher
- The requirement is for **2024 pass-out only.**
- Solid understanding of computer science fundamentals and software engineering with an aptitude for learning new technologies
- Strong knowledge of programming and scripting languages
- Possess creative problem-solving skills and excellent troubleshooting/debugging skills
- Experience in establishing and sustaining excellent relationships with the extended team
- Excellent verbal and written skills

Why Cisco

#WeAreCisco, where each person is unique, but we bring our talents to work as a team and make a difference powering an inclusive future for all.

We embrace digital, and help our customers implement change in their digital businesses. Some may think we're "old" (36 years strong) and only about hardware, but we're also a software company. And a security company. We even invented an intuitive network that adapts, predicts, learns and protects. No other company can do what we do – you can't put us in a box!

But "Digital Transformation" is an empty buzz phrase without a culture that allows for innovation, creativity, and yes, even failure (if you learn from it.)

Day to day, we focus on the give and take. We give our best, give our egos a break, and give of ourselves (because giving back is built into our DNA.) We take accountability, bold steps, and take difference to heart. Because without diversity of thought and a dedication to equality for all, there is no moving forward.

So, you have colorful hair? Don't care. Tattoos? Show off your ink. Like polka dots? That's cool. Pop culture geek? Many of us are. Passion for technology and world changing? Be you, with us!