Software Engineer - Promotions Services at T-Mobile

The **Software Engineer** works with a team of other software engineers, network and systems engineers to design, implement, and deploy software which meet customer's requirements, scales easily, removes the limitations of traditional networking solutions, and supports deployment in highly available environments. The Software Engineer participates and leads in architecture and design of various software components passionate about crafting applications that leverage technologies such as virtualization, micro services, SDN, NFV, and Big Data platforms and technologies.

Software Engineer by T-Mobile USA, Inc.

Job ID: REQ326194. This role focuses on the design, implementation, and deployment of software for T-Mobile's internal and customer-facing services, specifically related to the Promotions Services team.

- **Field:** Information Technology / Software Engineering
- **Pay range:** $92,500 – $166,800 annually (plus 15% corporate bonus target; actual offer depends on location, qualifications, and experience).
- **Benefits:** Health, dental, and vision insurance; 401(k); employee stock grants; employee stock purchase plan (ESPP); paid time off (approx. 4 weeks for new full-time hires); paid parental leave; tuition assistance. Details referenced at: `www.t-mobilebenefits.com`
- **Employment type:** Full-time, permanent
- **Locations:** Frisco, TX; Atlanta, GA
- Posted on **2025-10-14**

1. **Experience required**: 2–4 years of technical engineering experience.
2. **Education**: Bachelor's Degree (Computer Science or Engineering) required.
3. **Support**: Reasonable accommodation for the application or interview process is available for individuals with disabilities. (Relocation assistance is not specified).
4. **Travel**: Required (Yes).

Career Path

T-Mobile describes career growth as a **"jungle gym of possibilities"** rather than a traditional corporate ladder. This role is positioned as an investment in career growth, with an emphasis on learning and applying new technologies.

Core responsibilities

- **Technical Engineering Services:** Develop software solutions; conduct tests and inspections; prepare reports and calculations. Expected to independently develop a full software stack.
- **Technical Leadership:** Collaborate with technical teams and apply system expertise to deliver solutions; continuously learn new technologies.
- **Technical Writing:** Write documentation on how technology works; document system design, presentations, and business requirements.
- **Technology Strategy:** Contribute to emerging technologies to deliver business goals; interact with system engineers to define requirements.
- **Innovation:** Present new ideas to improve existing systems/processes; review current company processes to highlight opportunities for refinement.
- U.S. work authorization (Legally authorized to work in the United States) and at least 18 years of age.
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- **Required Skills:**
  - Communication
  - Customer Service
  - Analytics
  - Technical Writing
- **Preferred Stack (Technical Skills):**
  - .net
  - Containerization (Docker, Kubernetes)
  - CI/CD (git, GitLab, Bitbucket, Jenkins, or similar)
  - React (for UI)
  - MSSQL
  - Splunk
  - Grafana
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- **Software Defined Networking (SDN):** A network architecture approach that enables the network to be intelligently and centrally controlled, or "programmed," using software applications.
- **Network Functions Virtualization (NFV):** The concept of replacing dedicated network appliances (like routers and firewalls) with software running on standard IT infrastructure (servers, storage, switches).
- **Microservices:** An architectural style that structures an application as a collection of loosely coupled, independently deployable services.

- **Containerization (Docker, Kubernetes):** A lightweight form of virtualization used to run and manage microservices and applications (Docker) and to automate their deployment, scaling, and operation (Kubernetes).
- **CI/CD (Continuous Integration/Continuous Deployment):** A set of practices (like using Git, Jenkins) that automate the software build, test, and deployment pipeline.

In this role, the Software Engineer is responsible for the architecture and design of software components, leveraging virtualization, microservices, SDN, NFV, and Big Data platforms to meet customer requirements.