PROTOCOL STACK DEVELOPER RESUME

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Career Goal:

To demonstrate my C and C++ programming knowledge as a Protocol Stack Developer and be an advantageous asset for my company

Technical Skills:

Cognitively expert in designing and testing of following modules:

- 3G and 4G protocol layers
- Control and data planes

Panoptic knowledge of stack development for:

- GSM
- UMTS
- LTE

Adept in lab equipments:

- Aeroflex
- Anite Protocol testers

Functional knowledge of stack commands like:

- MAC
- RRC
- RLC

Familiarity with protocols for:

- Mobile networks
- Air interface signaling

Good knowledge of embedded development with:

- C
- C++

Expertise in real time software development for:

- Nucleas
- Thread-X

Technical abilities to:

- Deal with wireless modems and terminals
- Design and develop finite state machines

Relevant Experience:

Protocol Stack Developer
NAThe People Source, Inc.
January 2012 – Present
Shafter, CA

- Designed, developed and integrated 2G and 3G software stack.
- Implemented protocol scenarios and formulated system requirements.
- Documented system designs and analyzed system specifications.
- Created and implemented Cellular PS layers in LTE technology.
- Prepared and executed host tests for all assigned layers.
- Participated in understanding of software product needs and telecommunication equipments.
- Coordinated with system engineers for designing overall systems.
- Developed PS architecture components in collaboration with architects.

Protocol Stack Developer
Twilio Inc.

November 2010 – January 2012
Mountain View, CA

- Conducted field trials, conformance and interoperability tests.
- Designed and developed LTE PS in ARM processors.
- Coordinated with software development teams for 4G PS implementation.
- Created protocol sub layers and all relevant requirements.
- Analyzed and reported customer and internal verification issues.
- Prepared, executed and maintained application code for existing apps.
- Maintained detailed documentation of technical and system designs.
- Developed and implemented 2G and 3G modems in wireless electronic devices.

Educational Background:

Bachelor's Degree in Computer Engineering
Reid State Technical College
August 2006 – May 2010
Evergreen, AL

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