

## Charles P. Solar

### Objective

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Seeking a competitive, intellectually stimulating, and unique position that will improve and supplement my existing computer skills.

### Professional Qualifications

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§ Project Management	§ Network Administration
§ Software Integration	§ Software Design
§ Database Management	§ Reverse Engineering
§ Software Testing	§ Build System Design
§ VoIP Development	§ Software Development

### Selected Achievements

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- § Deployed new billing system and migrated existing customers for an Internet service provider servicing five cities. **RESULT:** Change led to increased accountability of billing system and more billable data led to a significant increase in company revenue. Customers also benefited with clearer invoices and timely service usage reports.
- § Designed and managed software testing platform for distributed testing of communication middleware product. **RESULT:** Replaced buggy and temperamental manual testing procedures and saved the QA team a considerable amount of time each release. This led to an increase in QA's effectiveness and significantly reduced the load on each person on the team.
- § Wrote platform independent build system for C and C++ projects using GMake. Emphasis was placed on ease of use and new project integration. **RESULT:** Replaced old Autotools build system, decreased build times from 2.5-3 hours to less than 30 minutes for all platforms.
- § Reversed and reengineered several old and no longer supported programs to integrate smoothly with other company processes. **RESULT:** Greater system stability and elimination of old Perl integration scripts that senior programmers had to frequently update and fix over time.
- § Integrated voice soft switch with asterisk VoIP software to provide voicemail capabilities for voice customers in five cities. **RESULT:** Migrated from third party voicemail solution, saving thousands in subscription fees.

### Profile

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I am strongly motivated to bring the best product to the customer. My projects are designed to perform the task correctly and to be flexible enough to work with the customer when changes or new tasks need to be considered. I am known as a very open minded, goal oriented individual and very comfortable communicating with a wide degree of peoples.

### Open Source Examples

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- § <http://code.google.com/p/bafprp/>
  - Call data record processor; reads binary data in the BAF file format and outputs text information or if the user desires, can output straight to a database for billing and record keeping.

### Employment History

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Oct 2009 – Present	Software Engineer	29West Inc, Warrenville, IL
May 2008 – Oct 2009	Director of System Design Integration and Development	DNA Communications, Rochelle, IL
May 2005 – May 2008	Network Administrator	AT Cyber Systems, Genoa, IL

### Education

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May 2009	Bachelor Computer Science and Math	Northern Illinois University, DeKalb, IL
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