

# DANA PRINCE

123 Fourth Avenue, Pillsbury, ND 12345, 123-555-1234

[dana\\_prince@bamboo.com](mailto:dana_prince@bamboo.com)

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## OBJECTIVE:

Software Engineer / Programmer

## HIGHLIGHTS OF QUALIFICATIONS:

- Software Developer with history of productivity and successful project outcomes.
  - Specialist in the development of microprocessor-based firmware
- Proficient in the design and programming of systems in wide variety of areas.

## TECHNICAL PROFILE

### Applications:

Material Handling, Embedded Systems, Firmware, Process Control, Warehouse Automation, Real-time, Document Scanning, OCR, Image processing

### Languages:

C/C++, Java, JavaScript, CMS-2, Fortran, Algol, Pascal, and Assembly (Intel 80x86, Motorola 680x0, Rockwell R6500, TI 9900)

### APIs/Tools:

Accusoft ImageGear, Mitek QuickStrokes, NCR WiseIP, Microsoft Visual Studio, GNU Emacs  
Operating Systems: Windows NT (Win32), Windows 98/95/3.1, UNIX (SunOS/Solaris, HPUX,

### Networking:

TCP/IP, FTP, HTTP, HTML, XML

## PROFESSIONAL EXPERIENCE

*Periwinkle Technologies, Plymouth, ND, 2004 to present*

### PROGRAMMER / CONSULTANT

- Designed and developed OCR adjustment application on MS Windows NT platform utilizing C++ 6.0 and Accusoft's ImageGear tool kit. This application allows high-speed scanning operators to easily correct OCR engine's configuration parameters for NCR 7780 check transports.
- Created Java application to generate HTML listings of architectural drawings for online selection by client engineering company.
- Developed several Solaris (UNIX) C++ daemons that interface with high-speed OPEX-150 mail opening and extraction machine.

# Dana Prince

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## PROFESSIONAL EXPERIENCE

*Primo Technologies, North Point, ND (formerly PI Corporation), 1985 to 2004*

### SOFTWARE ENGINEER

- Wrote primary front-end application for PrimoVision (system that controlled high-speed NCR document scanners under IBM OS/2). Designed and implemented scanner operator screens, and file formats and protocols for transferring batch data to other systems for processing.
- Converted scanner platform of PrimoVision from IBM OS/2 to Microsoft NT. Continued to work on RemitVision over life of project as its capabilities and applications were expanded and enhanced.
- Developed Primosort (a software system for control of conveyor belts and item tracking using proprietary hardware). Performed customization and onsite installation of Primosort system at various client locations including airline terminals, distribution centers, and a meat-packing plant.
- Within PrimoPick (system, developed original firmware to run display modules), microprocessors located throughout warehouse facilities, designed for workers' use in filling orders from the floor and communicating status back to a central computer. Designed networking protocol and developed drivers for network communications within system.
- Enhanced, refined, and customized PrimoPick system for individual client needs; then worked with engineer to ensure successful installation at client sites.

## EDUCATION, CERTIFICATIONS & MILITARY

- AB Degree in Applied Mathematics  
University of North Dakota, Plymouth, ND
- Member & FAA Certified Flight Instructor  
University of North Dakota Flying Club, Plymouth, ND
- Petty Officer, 1st Class, U.S. Navy Reserves  
Airborne Anti-submarine Warfare Operator; held Secret Security Clearance