

Contact Number: [REDACTED] (res)E-ma [REDACTED]

SUMMARY:

Over five years of experience in Designing, Developing and Maintaining Database Internals, UNIX Systems and application software. Worked extensively on database administration (DBA), porting, cross-platform application development and also have excellent experience in debugging. Very strong in database internals, image processing, user-interface design and artificial intelligence. Very proficient in C, UNIX system programming, Xlib, UNIX development tools and platforms, HP/UX

Hardware: HP-9000, HP-3000, DEC Alpha, Sun SPARCSTATION, HCL-HorizonIII
 Languages: C, PASCAL, DBASE
 Tools: PERL, C-shell, K-shell, Mosaic, RMS, HP Softbench, X Windows
 Databases: Allbase, Oracle, SQL
 Internet: HTML, Java, Netscape
 Operating Systems: UNIX, HP-UX, Solaris, MPE/iX, DOS, Windows-95/NT
 EDUCATION: B.S., Computer Science and Engineering
 Bharathiar University, Coimbatore, India, 1992

EXPERIENCE:

5/95 - 7/97 Hewlett Packard India Software Operations Bangalore, India
 Consultant {Senior Software Engineer}

Part of the Core Database development effort that was responsible for developing, maintaining, and enhancing the Allbase database. Each of the components below was done either in C or in Pascal on the HP-UX, MPE on the HP 9000-800 or the HP 3000. The Allbase database, which is extremely similar to Oracle, runs on UNIX and MPE OS. Projects and accomplishments include:

- Developed/maintained the core of the database that is responsible for maintaining the parser and query processor part of SQL. The parser checks for grammar accuracy, and it linearizes the query processor for the optimizer. The query processor, in turn, also verifies that the tables and fields of the database exist, and it validates user authorization for the tables. The optimizer calculates the cost of performing the query.
- Developed/maintained a database administrative utility that provides back up, recovery, restoration and maintenance for the database. It is able to store and restore data to the database during both the back-up phase and the maintenance phase. In addition, the recovery process will use either a rollforward or a rollback function to recover data lost during a system crash. Also enhanced the checkpoint to speed up the recovery process.
- Developed/Maintained a migrating tool that supports the migration of an older version/release of Allbase to a more current version/release of Allbase. This tool will also handle any inconsistencies that could occur during the migration, as well as repairs the database.
- Worked extensively with debugging tools for codes written in C and Pascal. Have good experience in debugging and testing the code in UNIX and MPE environment with various testscripts. Also, worked in business critical situations like hotsites and escalations with the customers. Also involved in porting Databases from HP-UX 9.0 to 10.x series (worked on UNIX-95, C2 security level and thread-safe methodologies).

11/92 - 5/95 Indian Institute of Technology Madras, India
 Consultant

Designed and developed neural network routines for the processing and classification of satellite images and sonar targets. The development process included the implementation of graphic, image, and texture classification utilities, which were all written in C, on an I-860 UNIX machine. Analyzing, interpreting and quantizing various types of image textures played a key role in the development of the utilities. Testing of the individual neural networks were done by manipulating various image textures, and by running different types of processing routines in X-Windows. The application domains for the neural networks include: remote sensing, medical imaging, computer vision, and multimedia. Other development tools were Xview, Motif and GUI.