

DAVID GAIA KANO

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Summary:

Creative, experienced programmer / analyst. Expertise in object oriented design, PHP, Oracle, Java, project management, C++, MySQL, Perl, release engineering, user interface design. Enjoys the human interaction of the analysis and subsequent support of systems.

Languages: PHP, SQL, Java, C++, C, Perl, Pascal, Fortran, Misc. Macro/Assembly

Experience and Achievements:

Student Conservation Association

E-technology Coordinator, 7/2008-11/2008

Administered their Convio CMS system to setup and integrate donation forms, page wrappers (templates), Email marketing system, E-cards, E-store, personal events. Used CSS and JavaScript to work around limitations in the Convio system.

Dartmouth College

Senior Software Engineer, 4/1999-2/2007

Analyzed available tools and languages for Web based database applications and chose PHP server side scripting language and Oracle. Wrote the PHP scripts to implement the user interface for eResources. Completed many smaller projects: library news, staff directory, library hours, research guides editing/publishing and more. Developed and used new object oriented library for fast deployment of Web based database applications. Other technologies used and supported include Java (WebObjects), Apache, RSS, Ajax, Kerberos, JavaScript and Perl.

AT&T NEW MEDIA SERVICES

Principal Engineer, Integration and Tools Support, 1/95-4/96

Built and led a team of two other engineers responsible for release diskette images, release builds, daily integration and tools for 35 engineers working under VMS and MS Windows. Responsible for driving resolution of high priority bug fixes for all of SW development. Evaluated several Configuration Management systems, selected and implemented use of Atria ClearCase.

Senior Engineer, Foundation group, 7/94-1/95

Responsible for process and tools for daily integration builds for a team of 20 engineers, working in C++ on MS-Windows. Significantly increased productivity of whole Interchange client development team.

Senior Engineer, Document group, 11/92-7/94

Designed and implemented C++ classes for extensible document

architecture for the Interchange on-line service client. Documents can contain text, link, or graphical elements and new element types can be easily added.

FREELANCE WORK

Software Consultant, with webworks-design.com, 3/2007-Present

Used PHP / MySQL to implement a number of dynamic web pages that required custom content management back-ends to allow the customer to control their site. Examples include photo galleries, news items, event listings, event participant sign-up form & reporting, and more. Wrote custom modules for CMS Made Simple.

Software Consultant, WebWorks, 12/98

Wrote a perl CGI script for a search engine.

Software Consultant, Fiberspar, Inc. 12/97-4/98

Part-time contract to enhance a real-time C program that controls a manufacturing machine. The program runs in an MS-DOS environment.

Software Consultant, Xionics Document Technologies, 8/96-1/97

Analyze and document requirements for improving productivity in the area of parallel development for team of 50-60 engineers in a Sun/Unix environment. Researched various Source Configuration Management (SCM) systems. Selected Perforce SCM and helped develop and implemented transition plan from SCCS based system.

Independent Software Author 9/90-10/92

Conceived and developed "Global Link" (GL), a groupware/off-line reader product for users of telecommunications networks provided by the Institute for Global Communications (IGC). GL significantly reduces the time required to learn to use IGC networks. While off-line, the user enjoys an object-oriented interface which provides hyper-text features for navigation of on-line information and pop-up help. Written in C++ (Zortech) under MS-DOS.

Software Consultant, JMS Corporation 12/91-7/92

Worked with company owners to specify, design and write "Print FloppyLope", utility program to print directory listings on floppy disk envelopes. Reusing C++ classes created for Global Link allowed this project to be completed head of schedule.

Software Consultant, Fiberspar, Inc. 8/89, 6/90-8/90

Designed and wrote MS-FORTRAN software to control manufacturing test equipment. Displays real-time graphics for operator use and customer demonstrations. Generates data for final QA test, and for input into design process.

Independent Software Author 1989

Worked on a program which used speech synthesis and digitally recorded speech to help illiterate adults to learn to read. Written in C++ under MS-DOS.

Independent Software Author 1983-1984

Created the award-winning "Hex-A-Bug", a screen oriented debugger suited to the development of real-time action games. Developed and published two graphics based educational games: "Monkey See, Monkey Spell" and "Don't Shoot That Word." All written for Atari 400/800 in 6502 assembler.

ATEX, INC.

Section Manager/Principal Engineer, Editor services group. 1987-1988

Led team working on text editing and input support for all future interactive applications development under UNIX, MS-DOS, and Atex OS. Responsible for editing WYSIWYG text. Member of 5 person task force that designed a new front end for Atex's publishing system to perform text, image, and graphics manipulation. This system ran on IBM PC, Sun, and VAX hardware.

Engineer II, Senior Engineer, Editor Group. 1984-1987

Designed, implemented and supervised completion of "Input Services" component, an object-oriented portable input model for dispatching functions based on mouse, keyboard, or other input. Originally implemented on the PDP 11 in C and Macro 11, then ported to the IBM PC and SUN workstation under SUN Windows.

Designed and implemented the text editing functions for the "Remote Advertising Terminal" on the IBM-PC in C. Later ported to SUN workstation using Input Services component to ease the transition from a polled to an event driven input model.

Specified keyboard interfaces for the "Multi Mode Slimline Keyboard" that supported multiple hardware platforms.

Software Consultant 1984

Performed several contracts for Atex.

Engineer I, Classified Ad Pagination Group 1981-1983

Created algorithms for the automatic placement of ads. Written in Pascal. Used proprietary dBase.

References:

Available on request.