Kai Carver

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GOAL

Work as a team:
> on interesting new technical problems and services
> involving the Internet, web and mobile interfaces, databases, and language
> by identifying user requirements, designing, programming, and managing projects
> resulting in happy customers.

EXPERIENCE

2011 – 2017: Walkin, Shanghai, China
Location-based mobile app for shopping using image recognition.

Backend manager:
· Server-side design based on requirements: API, database, business logic, administration
· Management of a team of server-side programmers
· Coordination with iOS and Android developers
· Activity tracking, bug tracking, testing, maintenance, and production support and tools
· System administration (9 servers, with ChinaNetCloud)

Tools: Java, SQL, HTML, JavaScript, Perl, PHP, MySQL, Apache / Tomcat / J2EE, Hibernate, CentOS, SVN, git, JIRA, Redmine, Wordpress, Emacs, UML

2007 – 2011: Envoimoinscher.com, Paris, France
Online shipping comparison and purchase.

Senior developer, design and development:
· Transporter data import
· API, web site improvements
· System admin (3 servers)
· Activity tracking, bugtracking, testing, production, and customer support tools

Tools: Java, SQL, HTML, JavaScript, Perl, PHP, MySQL, Apache/Tomcat, Velosurf, GNU/Linux, SVN, Redmine, Emacs.

2001 - 2007: Freelance. Paris, France

France 2 Television, Paris - Translation and subtitling of English news.
IBM, Noisy le Grand - Tests of French translation software (also in Raleigh, North Carolina, USA).
O'Reilly, Paris - French translation of technical books on Java, XML / XSL, Perl.
Proche-orient.info, Paris - English translation of articles from a French news website.
Pythagoras FD, Paris - Gave Perl training classes.

1999 - 2001: Software Engineer, nFactory, Paris, France
Syndication of specialized internet content.

Senior developer, design and development:
· Crawler: retrieval of information on the Web.
· Intranet: tracking of recovery, classification, production, and dissemination of content.
· Pay-per-View: billing of online consultations.
· System administration tools (20 Unix servers).

Tools: Java, SQL, HTML, XML / XSL, Perl, Oracle 8, Postgres 7, Apache / JServ / Tomcat, GNU/Linux, SunOS, Emacs.

1995 - 1999: Software Engineer, Dalet Technologies, Paris, France

Design, development, consulting on groupware for large accounts.

Project lead for design and development of a series of products:
- Management tool for quality documentation, using Internet and DBMS. Initial client: Saur (ex-Bouygues).
- Mgmt. tool for technical audits with Lotus Domino or DBMS / Internet. Client: Hoechst Marion Roussel.
- Ship audit reporting system using DBMS and Internet. Client: Bureau Veritas.
- Tool for customer tracking and care. Client-Server, DBMS, PowerBuilder. Client: Electricité de France.

Tools: HTML, JavaScript, CGI, CSS, XML, Perl, Java, Visual C++, Emacs, Lotus Notes / Domino 4.6, PowerBuilder 5, SQLServer 6.5, Sybase 10, Oracle 8, browsers and servers MS and NS, Apache 3.1, Windows 95, NT 4, GNU/Linux, UML, Rational Rose.

1992 - 1994: Software Engineer, Sonovision Itep Technologies, Paris, France

EUROLANG : Tools for computer-aided translation, a European research project. Joint development with Siemens and Microsoft of Optimizer product, Windows/Unix, client/server.

Project Manager Design and Development:
- Optimizer, a generic module tor terminology mgmt. Coordination and devt. with Microsoft and Siemens.
- Lexicaliste, a generic tool for management of dictionaries (with France Telecom).

Tools: C/C++, Visual Basic, Perl, Oracle 6.7, Sybase 4.9,10, SQLServer, AMC/Designer, SuperProject, FrameMaker, Word 6, Unix, Windows NT/3.1, Motif and Windows GUI devt., Objecteering (OO and class / relation methodologies).

1990 - 1992: Research Engineer, Centre Scientifique, IBM, Paris, France

GENELEX: Development of a generic model of electronic dictionaries and associated tools. European research consortium in computational linguistics: with SEMA Group, GSI ERLI, universities.

Responsible for the design and development of linguistic software tools:
- Set of tools for handling electronic dictionaries.
- Prototype lexicographic workstation presented to the Ministry of Research.
- RS/6000 system administration.

Tools: C++, lex/yacc, Perl, SGML parser, object-oriented databases, DB2, FrameMaker, Unix (IBM, Sun, GNU/Linux), Motif GUI, VM/CMS, Merise.

1983 - 1990: Software Engineer, Kurzweil Applied Intelligence, Boston, USA.

Research and Development in speech recognition. Kurzweil released the first large vocabulary dictation device (acquired by Lernout & Hauspie, then Nuance).

- Design, development and integration of the top layer of the main speech recognition product, which allows knowledge-based reports to be written by voice.
- Knowledge Base and User Interface design in coordination with marketing department.
- International technical support and customer training.
- Wrote registration and speech training software.
- Produced the software for the 68000-based Acoustic-Phonetic Analyzer.
- Helped write 1st generation product (multiple processes, simulation and real-time).
- Implemented algorithms research on parallel processor prototype.
- Simulation and testing of a custom VLSI DSP chip.
- Optimized core pattern-matching routines in assembly 80386.
- Wrote a word usage and statistics package for user-based vocabularies.

Tools: C, Assembler (x86, 68k) Raima network DBMS, Emacs, Unix, DOS, VMS.

1989 (part-time) Lecturer, Harvard University, Cambridge, Massachusetts, USA

Courses on the use of desktop software (Mac and IBM).

EDUCATION:

Harvard University, Cambridge, Massachusetts, USA

1981 - 1986: BA in Philosophy, with courses in mathematics, physics, computer science, economics.
1986 - 1990: Evening classes: methodologies, IBM PC programming, logic programming.

Lycée International, Saint Germain en Laye, France

1981: Bac C honors

LANGUAGES

English, French:	mother tongues
German, Spanish:	fluent but flawed
Chinese:	beginner/intermediate
Russian:	studied 5 years
Computer:	Java, Perl, PHP, SQL, HTML, SGML, XML, CSS, XSL, JavaScript
	C, C++, lex/yacc, assembler, Lisp, Prolog, Basic, Pascal

PERSONAL

Date of Birth:	June 5, 1964 in New York.
Nationality:	U.S. (American father, German mother, French resident).
Interests:	running (Boston Marathon '82, '88, New York '89. Taipei, Shanghai...),
	cycling (across USA '83, transportation), inline skating, sailing, squash, ceramics, travel.

References available on request.

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