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Target Technologies

- Languages: Java, perl, SQL, Python, Scala
- Software: Eclipse, ant, Chef, JIRA, SVN, git
- Databases: Cassandra, SQLite, MySQL, Postgres, MongoDB
- Web: HTML5, CSS, JSON, node, Less
- Operating Systems: Linux, Mac OS X

Target Environment

- Primary duties: designing and writing code for new, large data systems
- Member of a small-to-medium size team of smart people using a consistent agile methodology
- A place where source code is scalable, reliable, and beautiful because the business depends on it
- Surrounded by open source

Things I Do Well

- Quickly learn new languages or frameworks for projects
- Teamwork, agile development (Scrum)
- Develop readable, maintainable source code
- Use existing tools to build software faster and more reliably
- Written composition, problem-solving, time- and task-management, and organization
- Work well with others, share the sandbox, never run with scissors

Employment History

Data Software Engineer, Data Products Group, Weather Central LP

October 2009 - Present

- Part of the team responsible for DataCloud, a scalable, 24/7 API for weather data containing disparate datasets and data formats
- Developed and maintained systems to convert raw weather data from many sources into pictures, automated descriptions, broadcast warnings, and formatted data of all varieties
- Used many tools to get the work done efficiently: C#, Java, Perl, C++, Ruby, Storm, Hibernate, Cassandra, MySQL, JMeter, Chef, and a million others
- Was on call for 24/7 emergency maintenance of the data conversion pipeline

Senior Associate, Wostmann & Associates, Inc.

October 2006 - June 2009

- Consultant for WAI, a full-service consultancy specializing in contract projects with the State of Alaska
- Met with customers, wore a tie, gathered requirements, wrote specifications, developed software
- Promoted from Associate Consultant I, to Associate Consultant II, to Senior Associate

Assistant Software Developer & Systems Integration, Academic Computing Department, Dartmouth College

January 2001 to March 2006

- Sole developer of Lexinomicon, a feature-rich, pure-Java, multi-platform question-and-answer desktop application
- Managed the complete software development cycle, met deadlines, solved problems on my own
- Wrote a SDK for plugins with an optional framework and programmer documentation

Education

Dartmouth College: Bachelor's degree, Computer Science, 2002

Courses included studies in:

- Structure and Interpretation of Computer Programs (C/C++)
- Discrete Mathematics
- Software Design and Implementation (C++, Dylan)
- Algorithms
- Computer Architecture (MIPS assembler)
- Theory of Computation
- Principles of Programming Languages (OCaml, Smalltalk, Prolog, Haskell, etc.)
- Computer Networks
- Professional Ethics for Computer Scientists