

Matthew Kane  
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#### University Education

Bachelor of Science, Computer Engineering, University of Rhode Island, Kingston, RI, May 2003  
Bachelor of Arts, French, University of Rhode Island, Kingston, RI, May 2003

#### Highlights of Qualifications

- Very experienced in Java, C, C++, PHP, Perl 5, MySQL. Experienced in many other languages and technologies.
- Experienced in both hardware and software design.
- Quickly adaptable to different languages and techniques.
- Day-to-day experience with Mac, Unix, and Windows environments.

#### Work Experience

November 2008 to present: Akamai Technologies, Cambridge, MA, Senior Software Engineer

- Member of Application Acceleration Portal Team
- Responsible for extremely-large scale log processing for customer-facing reporting and billing.

February 2008 to November 2008: Nokia Interactive, Boston, MA, Senior Solutions Engineer

- Senior member of customization and implementation team.
- Tasked with long-term process improvement.
- Java Servlet and JSP development primarily for display on mobile web browsers.
- Created connector servlet for dotMobi's Device Atlas handset capability database.
- Coordinated with global teams to support and customize multiple server clusters across two continents.

January 2006 to February 2008: ChoiceStream, Cambridge, MA, Software Engineer

- Implementation of off-line data processing systems using Java and MySQL, interfacing with online components, conquering large scalability problems using TPTP and ultimately cutting a 24 hour process to 8 hours.
- Debugging and new features for product recommendation systems as SOAP/XML-RPC web service in C++.
- Responsible for implementing recommendation algorithms discovered by researchers.
- Added additional XSLT functionality to internal test tools.
- Tools used include Microsoft Visual Studio, Eclipse, Apache Tomcat, Apache Xerces, Perforce.

July 2003 to December 2005: Zebra Technologies, Wakefield, RI, Software Engineer

- Member of design and implementation team for Windows USB, parallel, and network printer drivers entailing bidirectional communications, GDI rasterization, and user interface. Focused on development and improvement. Development in C++ with MFC, STL, and heavy usage of abstract base classes. Experience with Visual SourceSafe.
- Design and implementation of product database with web and native Windows client software. Use of PHP on Apache and Microsoft web servers, C++ and MFC for Windows client, PostgreSQL and Microsoft SQL Server relational databases.

- Debugging of network and accessory subsystems on firmware level using  $\mu\text{C}/\text{OS}$  real-time operating system.
- Customized hardware configurations for specific customer needs.
- Tasked with on-site customer support including custom development and troubleshooting.

January 2002 to June 2002: STMicroelectronics, Grenoble, France, Design intern

- Integrated multiple intellectual properties into a single component of system-on-chip for the cable modem industry. Use of VHDL and ST-proprietary source control and synthesis and simulation tools based on Cadence suite.
- Responsible for developing test protocols and custom code to verify performance of integrated solution.
- In-depth exposure to French culture and language through the University of Rhode Island International Engineering Program.

January 1997 to January 2002: The Conference Exchange, Cumberland, RI, Web Developer

- Creation of RealAudio-based presentations for the medical industry including photo post-processing, HTML editing, and audio processing.
- Maintenance of Perl and MySQL-powered abstract submission and conference management systems for such clients as the American Public Health Association, the American Chemical Society, and the Geological Society of America.

September 2000 to May 2001: URI Electrical Engineering Department, Kingston, RI, Web Designer

- Partial re-implementation of a web application to manage the department's automated building security. Moved original work from Perl with flat-file backend to PHP with PostgreSQL backend.
- Website maintenance for department.

February 2000 to September 2000: American Power Conversion, West Kingston, RI, Intranet Developer

- Hired to develop numerous intranet applications in ColdFusion to interface with variable pricing, travel, and human resource databases. Saved the company tens of thousands of dollars and man-hours by replacing existing vendor tools with faster, cheaper, more focused solutions.
- Database development in Microsoft SQL Server and Microsoft Access.

October 1999 to February 2000: URI Graduate School of Oceanography, Narragansett, RI, Satellite Data Navigator

- Set up databases for post-processing.
- Modified existing system to put ocean temperature data into usable form for oceanographic research.

#### Honors and Activities

- Eagle Scout
- Dean's List 7 out of 10 semesters
- Graduated cum laude

- Member of Eta Kappa Nu Electrical Engineering Honor Society
- 8 years of college radio hosting experience