

Adam J. Griff, Ph.D.

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SENIOR SOFTWARE ENGINEER

Performance-driven professional with an extensive track record of building, designing, and documenting complex systems. Persuasive communicator, motivating and engendering trust and support from direct reports and others involved in the projects. Effectively comprehends new and complex technical information, transfers this knowledge to technical and non-technical audiences. Seeking opportunity to work in an environment with motivated individuals designing and building software with the ability to change requirements, specifications, and design as needed based on changes in technology, market conditions, and business needs.

SKILLS

- Object Oriented Programming and Design
 - System Design
 - Team Management
 - Effective communicator
 - Creative Problem Solver
 - Technical Trainer & Coach
 - Fluency in English (native) and French
 - Cross-domain analysis
- Research and Teaching: Programming Languages, Distributed Systems, Operating Systems, Object Oriented Design
 - Languages: Java, C++, Perl, SQL, PHP, JavaScript
 - Operating Systems: UNIX (Linux, FreeBSD, etc.), MAC (OS-X)
 - Software: Hibernate, Maven, MySQL, SODA 2.0 API, Firebase Authentication, GWT, Google Maps, Apache Web Server, Apache Tomcat
 - Development Environments: Eclipse, Git, Emacs
 - Living, working, understanding differences in various cultures: 2006–2007 New Zealand, 2007 Australia, 2007 France
 - Polarity Management training 2009, Election Judge Manager 2008, 2012

PROFESSIONAL EXPERIENCE

ECOLOCATE.ORG, Boulder, CO (April 2009–Present)

Founder / Senior Software Engineer

- Technologies used: Java, Perl, MySQL, Hibernate, Firebase Authentication, Maven, Eclipse, GWT, Google Maps
- Health Insurance Adviser software for educating and facilitating selecting the health insurance policy that is the best fit based on the customer's health and financial information; using publicly available health insurance plan data from the federal and state exchanges via Socrata SODA 2.0 API
- Locate specialized and seasonal items (long tail data) available from individuals, farmers' markets, or stores using spatiotemporal (location/time), category and multi-lingual based searching
- Educating on PV Solar and ROI

GRIFFMONSTER, LLC, Boulder, CO (February 2001–Present)

President / Senior Software Engineer / Principal Consultant

- Consulted for clients utilizing my expertise in distributed systems, client / server architectures, open source software
- Learned, utilized, and disseminated acquired knowledge of new software
- Recently consulted for the President of Starfall Education Foundation, website that teaches children to read and do math, to help restructure and grow the Organization's IT and development teams; performed an audit of systems, communications, technology, personnel, using feedback from effected parties in the organization (President, CTO, creative team members, technical members, and the IT team); resulting in recommendations on employees with under utilized skills, areas needing external hiring, technology recommendations, and cost benefit analysis between options
- Led workshop in 2009 assisting 110 special needs individuals on resume writing, job interviewing, and presentation of self via a Goldman Sachs Community TeamWorks program for the Brooklyn Bureau of Community Service We Care program

TUTTISYSTEMS, LLC, Denver, CO (June 2012–November 2015)

Senior Software Engineer (GriffMonster, LLC client)

- Collaborated with the President/Founder of TuttiSystems, LLC, identifying the needs of small dental offices to refer patients to specialists and labs, track progress, and securely transfer patient information in the form of notes, documents, and images. The result was TuttiCare, a secure HIPAA compliant system for small practices with features commonly found on systems used by major hospitals at a fraction of the cost
- Met with prospective clients/friendly early adopters/beta testers in the fields of general dentistry, various dental specialties, and dental manufacturing laboratories; assist with technical sales, using these opportunities to question assumed requirements of the clients, modify designs, and prioritize features
- Coding of complex algorithms to meet delivery milestones
- Built a team of UI developers, Software Engineers, and QA testers; mentored junior team members on their first projects; achieved desired goals while avoiding feature creep of the product while staying within budget

dRNome Inc., Boulder, CO (December 2010–August 2011)

Senior Software Engineer / Solution Architect

- Cross-functional team leadership, designer, and developer on dRNome's CueVue project
- Re-architected the user interface (Adobe Flex), database (MySQL), file system, and middle-ware (Java,Hibernate, Spring) creating a coherent solution architecture
- Identified team specialties enabling partitioning of project and distribution of manageable size sub-tasks

DEGREEMENT, Boulder, CO (August 2001–December 2008)

President / Founder / Senior Software Engineer

- Designed, developed, and documented the student degree audit and advising software system
- Reduced department administrative overhead by 1,000 man hours per year using Degreement software system
- Directly managed marketing team dealing with universities, secondary schools, and state board of education
- Mentored computer science students on coding and designing degree requirements for departments
- Trained and mentored advisers on using the system
- Integrated advising software with legacy systems and coded degrees into the system
- Developed algorithms, UI, and specification languages for degree checking and reporting
- System design scaled to handle 100K students and several million student course records

DEMOCRATIC NATIONAL CONVENTION COMMITTEE, Denver, CO (Aug. 2008), Charlotte, NC (Sept. 2012), Philadelphia, PA (July 2016)

Team Manager for Sustainability and Greening Division

- Managed 125 volunteers and 4 managers in a venue with 30K visitors per day
- Took responsibility and leadership, reorganized volunteer team distribution during critical understaffing incident

PANCIL, LLC, La Jolla, CA (October 2003–January 2009)

Senior Software Engineer (GriffMonster, LLC client)

- Designed, developed, and documented network monitoring and notification application
- Designed and developed plug-in interface to open source application enabling parsing of custom file formats

GLOBAL SIGHT, Boulder, CO (April 2000–July 2001)

Principal Software Engineer

- Technologies used: C++, Java, GlobalSight System3, Interwoven TeamSite, Vignette, Active, WebMethods, Solaris
- Managed internal teams for customer integrations and communicated requirements to customers and external vendors that resulted in successful projects
- Collaborated with product marketing and sales teams to develop market requirements and prioritize customer features
- Technical project management for clients in US, France, and UK
- Identified and designed features for globalization and I18N (Internationalization) product

OPEN SOURCE CONTRIBUTIONS

- Personal mail program: Sends personalized email to groups. Used with Degreement to contact students regarding scholarship eligibility, nearing graduation, academic probation, etc. Perl and MySQL
- GMSysMon: System Monitor and alarming on CPU load, temperature thresholds, network and machine failures, custom events. Small and light weight alternative to heavy weight power of Nagios
- Checkbot: contributed code to extend functionality of CPAN project hosted on SourceForge.net. Enhanced providing plug-in capabilities for custom parsing and analysis by this web spider report tool

EDUCATION

Ph.D., Computer Science - *University of Colorado*, Boulder, CO, USA

- Thesis: *Gryphon: A Dynamically Tailorable Mechanism for Customizing Location and Caching Policies in Distributed Object Subsystems*

Masters of Science (M.S.), Computer Science - *Lehigh University*, Bethlehem, PA, USA

- Thesis: *Algorithm Overloading on the n-cube Hypercube*

Bachelor of Arts (B.A.), Computer Science and minor in Economics - *Lehigh University*, Bethlehem, PA, USA

AWARDS AND MEMBERSHIPS

- Received GlobalSight's monthly President's Award twice for outstanding contributions by working cross functionally to reduce disparity between client needs and engineering priorities
- Institute of Electrical and Electronics Engineers (IEEE) Senior Member since 2013
- IEEE Computer Society and Denver Section Secretary 2008, Treasurer 2009, 2010, Chair 2011
- Colorado HealthOp – CO-OP Health insurance company - Member Board of Directors 2015
- Conference on World Affairs (CWA) – Human Condition, Film, Arts co-chair 2016, 2017, 2018