

# Kelly Beck

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## SENIOR SOFTWARE AND DEVOPS ENGINEER

A top-performing software engineer and consultant with comprehensive experience in the design and development of software. Keen ability to identify challenges and develop innovative solutions that increase program efficiency and project cost savings over the long term. Seasoned team leader with cross-functional leadership and conflict resolution experience. Skilled in full-cycle project management, including strategic stakeholder communication and team leadership.

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### AREAS OF EXPERTISE

- Software Engineering
- Open Source Software
- Solutions Development
- Software Architecture
- Systems Administration
- Technical Support
- Troubleshooting
- Data Migration
- Technical Compliance
- Process Improvement
- Quality Control
- Strategic Planning/Analysis

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### KEY SKILLS ASSESSMENT

**OPEN SOURCE SOFTWARE EXPERTISE** – Skilled in the design and development of open source software in support of firm mission and goals, including custom automation software and data management.

**CONSULTATIVE EXCELLENCE** – Proven ability to provide comprehensive consulting services that exceed client expectations, from concept to design, implementation and project execution.

**NOTABLE CLIENTS** - American Civil Liberties Union (ACLU), National Football League (NFL), National Basketball Association (NBA), Turner Broadcasting, National Association for Stock Car Auto Racing (NASCAR), University of Georgia, Rutgers University, Stanford University, United States Centers for Disease Control and Prevention (CDC), Habitat for Humanity, National Consumer Law Center, Aids Clinical Trials Group, EMD Serono, Perkins & Will, Forever Aligned Club, Georgia Public Broadcasting, American Federation of Teachers, Law School Admissions Council.

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### PROFESSIONAL EXPERIENCE

#### BAO SYSTEMS

11/2021 - Present

##### FULLSTACK SOFTWARE ENGINEER

- Contribute to system architecture enhancements, including database design, API design, message queue design, and cloud-platform strategy
- Develop and maintain RESTful APIs for both internal and external consumers
- Design and implement data integration features that allow clients to easily integrate their data systems into the Dharma product

#### CONTEGIX

02/2021 – 10/2021

##### FULLSTACK DEVOPS ENGINEER

- Provided full lifecycle software engineering services as part of DevOps product team developing a FedRamp compliant PaaS CI/CD product using Ansible, Groovy, HTML, MongoDB, Java, JavaScript, React, REST, and Typescript in a microservices architecture.
- Technical writing lead responsible for public-facing documentation. Produced the product's first public-facing user guide using Sphinx and reStructuredText.
- Customer facing responsibilities include solutions architecture services for CI/DC pipeline implementation and tier-3 support escalation coverage for the operations team.

#### GOLLYGOOD SOFTWARE

08/2015 – 2/2021

##### SENIOR SOFTWARE ENGINEER, DEVOPS ENGINEER, OWNER

- Co-Founded and managed a software engineering firm based in Augusta Georgia that is dedicated to the craft of producing high-quality software. Offered contract software engineering services in a range of open source web technology platforms including Drupal, Wordpress, Joomla!, Symfony, Silex, Android, Chef, and Vagrant.
- Provided the contract consulting services to Drupal projects as part of web development teams: customer requirements gathering, systems analysis, software architecture, hosting systems architecture, delivery scheduling, team leadership, software implementation, and technical documentation.
- Significant projects

- Implemented Single Sign-on using LDAP, Active Directory, and PHP for a major law firm intranet.
- Architecture and implementation lead for a major pharmaceutical company public outreach site.
- Architecture and implementation lead for CMS implementation teams providing state-level legal aid services based in Illinois, Massachusetts and New Hampshire

## **MEDIACURRENT**

08/2012 – 07/2015

### **LEAD DRUPAL ARCHITECT, DEVOPS ENGINEER**

- Provided management of small to mid-sized Drupal projects as part of web development teams, including customer requirements gathering, systems analysis, software architecture, hosting systems architecture, delivery scheduling, team leadership, software implementation, and technical documentation.
- Provided guidance and software solutions as a specialist in data migration to Drupal-based systems and source platforms, including Wordpress, Joomla, and customized content systems.
- Significant projects:
  - Designed and implemented Vagrant and Chef-based virtualization tool for developer workstations.
  - Implemented performance optimization for National Football League team site platform.
  - Implemented accessibility National Basketball League team sites platform.
  - Designed Habitat for Humanity primary website architecture.

## **SOCIAL & SCIENTIFIC SYSTEMS**

06/2009 – 08/2012

### **SENIOR PROGRAMMER/ANALYST**

- Provided full lifecycle software engineering services for several U.S. government public health departments and national clinical trial networks, including ACTG, IMPAACT, and NIRC. Recognized as a subject-matter expert for all software engineering phases based on the Drupal CMS platform and federated identity systems.
- Provided consulting, systems administration, and inter-departmental mediation services to ensure continuity and quality of service to the application layer systems.
- Significant projects:
  - Designed and implemented a federated identity management system using SAML and PHP that connected to the Centers for Disease Control and was used by multiple research organizations.
  - Implemented first firm-wide adoption of infrastructure for software revision control using Subversion.

## **BLACKBARN MEDIA**

01/2009 – 06/2009

### **SENIOR DEVELOPER**

- Served as the senior Drupal architect, expanding large project planning and delivery capabilities; provided guidance and mentoring to junior staff members.
- Reinforced existing efforts to adopt full SDLC methodologies and encouraged industry best practices.
- Developed PHP framework capabilities based on the Symfony platform and provided training based in general Object Oriented software design principles and practice.

## **MORRIS DIGITALWORKS**

09/2005 – 01/2009

### **SOFTWARE ENGINEER, 2005 - 2009**

- Responsible for enterprise software development for LAMP architectures based on Drupal and Custom PHP platforms, RPM package development, FAST enterprise search integration on the Drupal and Spotted platforms, Drupal authentication system integration, custom administrative tools development, release engineering, source repository management, and systems administration.
- Excelled in cross-functional groups by developing and implementing effective protocols and shared goals to drive company mission and ensure product sustainability.
- Served as a technical liaison for non-technical stakeholders, providing technical expertise; managed development products; and provided team training in development methodologies and best practices in technical documentation.
- Served as Lead Drupal Module Developer for all projects based on the Drupal platform and Played a key role in several major Drupal development projects, developing and implementing effective process improvements and workflows and reinforcing quality control measures.

## STUDENT EMPLOYMENT

**CONTRACTED ENGAGEMENTS**, AUGUSTA, GA  
**A+ CERTIFIED COMPUTER TECHNICIAN**

10/2001 – 06/2005

**AUGUSTA STATE UNIVERSITY**, AUGUSTA, GA  
**CUSTOM SOFTWARE AND LIBRARY COMPUTER TECHNICIAN (WORK STUDY)**

09/2000 – 10/2001

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## EDUCATION

**AUGUSTA STATE UNIVERSITY**, AUGUSTA, GA  
**BACHELOR OF SCIENCE, COMPUTER SCIENCE, 1999 - 2005**

- Minor in Mathematics, President, ACM Club

09/1995 – 06/2005

**MUSIC MAJOR, PERFORMANCE, 1995 - 1998**

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## TECHNICAL PROFICIENCIES

<b>Systems:</b>	Debian, MacOS, Red Hat, Solaris, Ubuntu
<b>Subjects:</b>	Authentication, Identity Management, Cloud Hosting, Content Management, Content Delivery Networks, Full Stack Web Development, DevOps, Linux Release Engineering, Open Source, Software Packaging, Revision Control
<b>Frameworks:</b>	Bootstrap, Drupal, Node.js, React, Symfony, Twig, Wordpress
<b>Databases:</b>	MongoDB, Memcached, MySQL, Oracle, Postgres, Redis
<b>DevOps:</b>	Ansible, Chef, Docker, Debian (Apt), Jenkins, Red Hat (Kickstart, Satellite, SRPM, Yum), Vagrant, Xen Virtualization
<b>Hosting:</b>	Acquia, Akamai, Amazon (EC2, S3, AWS), Bitbucket, Blackmesh, Cloudflare, DigitalOcean, Dnsimple, GitHub, GoDaddy, Google, InMotion, Namecheap, Netlify, Pantheon, Sendgrid, VPS.net
<b>Tooling:</b>	Apache Ant, Blazemeter, Bower, BrowserStack, Composer, Gatsby.js, Git, Jmeter, Lando, Make, Maven, New Relic, Perforce, Plesk, Squid, Sphinx, Subversion, Varnish, Vim
<b>Languages:</b>	Bash, C++, CLIPS, CSS, Groovy, Java, JavaScript, LISP, Perl, PHP, Python, React, reStructuredText, Ruby, SASS, SQL, TypeScript, UML, XML, XHTML, XSLT
<b>Project Management:</b>	Atlassian (Confluence, Jira), Basecamp, Drupal Open Atrium, Github, Harvest, IRC, Pivotal Tracker, Skype, Slack, Trac, Zendesk