

Eric Jenkins

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I leverage a strong background in Computer Science, Information Technologies, and Engineering to provide cost-effective, logical, and efficient solutions to everyday challenges. I am proud of the enthusiasm and professionalism I consistently bring to the workplace.

Employment Experience

Self-Employed Developer & Consultant – Exel Digital – Chicago, IL Jan. 2016 – Present

- Back-end enhancement & support developer for non-profit Drupal e-commerce site.
- Hosting optimization centered mainly around Digital Ocean, AWS, Platform.sh, and Pantheon.
- Extensive experience with business development, self-management, and accounting.
- Active development with Docker and Vagrant-based local environments, as well as CiviCRM.

Junior Developer & Analyst – Digital Bridge Solutions – Chicago, IL July 2014 – Dec. 2015

- Back-end developer for Drupal e-commerce sites
 - Dealt in both Waterfall- and Agile-based development methodologies.
 - Responded to project scope changes quickly and dynamically.
 - Transformed conceptual artistic wireframe renderings into interactive site experiences.
 - Worked with LAMP-based web development technologies.
 - Utilized Drupal module design and responsive theming best practices.
- Security maintainer and enhancements engineer for numerous Drupal and Magento sites
 - Deployed security updates to Drupal and Magento projects, from small municipality sites to large international e-commerce platforms.
 - Utilized bug tracking & version control utilities for efficient team-oriented programming.
- DevOps engineer for improved development team efficiency
 - Stood up numerous Rackspace virtual machines for LAMP-based web development.
 - Developed complex Bash scripts for generating Chef-based Vagrant environments.
 - Engineered Selenium-based automated test scripts for New Relic Synthetics.
 - Wrote detailed Wiki articles for in-house best practices & FAQ documentation.

Structural Engineer – GRAEF – Chicago, IL June 2007 – April 2014

- Developed a Tollway Plaza Database – An interactive Microsoft Access database cataloguing plaza details, enhanced with Visual Basic for easy data search, input, and manipulation.
 - Implemented such features as automated report generation with linked photo thumbnails, OLE embedded & linked files, and an easy-to-navigate menu system.
 - Created numerous queries and tables to analyze pavement condition and lane statistics.
- Developed a Lake County Roadway Drainage Structure Assessments Database – A database cataloguing field observations and measurements for the repair/improvement of drainage structures in Lake County.
 - Designed database to store photos, field observations and measurements.
 - Leveraged data to generate repair and improvement recommendations for use in schedules and contract plans.
 - Prepared a photo log of each location for use by the Resident Engineer to help define the improvements.
- Served as Information Systems emergency technician for O'Hare office.
 - Replaced computer components such as hard drives, memory, and power supplies.

- Resolved software and hardware issues such as printer malfunctions, Microsoft Office configurations, and Windows errors.
- Assisted co-workers with productivity applications such as Microsoft Office, Adobe Acrobat, and Windows file system navigation.
- Responded to requests and completed tasks promptly, contributing to office efficiency.

Computer Services Assistant – Caldyne, Inc. – Elmhurst, IL *June 2000 – Aug. 2006*

- Designed and maintained a web site for Community Care Options (now Pillars), a large multi-city public healthcare organization.
- Maintained a Windows NT-based computer network essential to C.C.O. operations.
- Trained social workers on the use and maintenance of spreadsheets & databases.
- Consulted on computer-related issues with The Architectural Partnership in Chicago.

Scoreboard Operations Crew – Chicago White Sox – Chicago, IL *May 1999 – Oct. 2011*

- In-House Audio/Visual Media Productions – Provided 13 seasons of loyal, productive expertise in a live, high-pressure environment as a producer, operator, and logger.
 - Training with tape decks, A/V computer media systems, and logging systems.
 - Logged live events for Major League Baseball highlight reels.
 - Queued and rolled animations for presentation on the Jumbotron Scoreboard in center field.

Undergraduate Research Assistant for Professors Hajjar, Paulino, and Dodds – Urbana, IL

- Researched and summarized EERI earthquake scenarios. *Mar. 2004 – Oct. 2006*
- Ran Level 1 HAZUS Earthquake Loss Assessment scenarios.
- Developed a MAEViz Earthquake Loss Assessment software validation plan.
- Assisted in the publication of the textbook: Boundary Element Method.
- Modified MATLAB GUI interface code.
- Created textbook graphical figures with xFig software.
- Designed a C++ application for building Fortran makefiles.
- Tested Warp3D structural analysis software for Linux compatibility.

Education

University of Illinois at Urbana-Champaign

May, 2007

Master of Science in Civil Engineering – Structures Focus

University of Illinois at Urbana-Champaign

May, 2006

Bachelor of Science in Civil Engineering – Structures Primary, Computer Science Secondary
Minor in Computer Science

- Relevant coursework includes: Database Systems, Statistics, Algorithms, Numerical Methods, Computer Architecture, Data Structures, Discrete Structures, Intro to CS, Finite Element Methods, Structural Dynamics, Structural Mechanics, and Engineering Graphics & Design.

Professional Certifications & Activities

- Acquia Certified Drupal Site Builder
- Drupal MidCamp 2016 Finance Committee Chair
- Enrolled Professional Engineer Intern, License #061032657