Zachary Betz

Software Developer & Tester

Contact

- **Website:** https://zwbetz.com
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Work

Freelance

2016-02 — Present

- Developed desktop apps for a local petroleum transport company via C# and Windows Forms. Company accountant used apps to import timesheet spreadsheets into QuickBooks, then export payroll spreadsheets

Systems Analyst at Geocent, LLC

2016-02 — Present

- Did full stack development on a React frontend, Spring Boot backend, and Postgres database
- Wrote a Flyway-like tool that initializes indices then inserts JSON mappings and test data into Elasticsearch, via Spring Boot
- Developed extensive end-to-end test suites via NightwatchJS
- Wrote a Jaspersoft Server Reports test framework via Bash/cURL
- Wrote a diffing tool for AWS DMS to monitor the data replication of billions of records via SQL/Bash/sqlplus/psql
- Created general development documentation via MkDocs that is used across USCIS
- Maintained clear, concise project documentation

Applications Consultant at Capgemini

2015-06 — 2016-02

- Authored the documentation for migration of apps/databases from Solaris/WebLogic app servers to Linux/JBOSS
- Supported a real-time dashboard app which displayed generation/demand data to wholesale energy traders
- Gathered requirements, designed, developed, and tested a Windows Forms/SQL Server proof-of-concept solution to manage boiler tube welds within plants. Used SSRS for reporting
- Automated the deployment of a Maximo app using Rundeck. Reduced deployment time from 3 hrs to 40 mins

- Engaged in tri-weekly calls with offshore India team to discuss project status and debug app/database/infrastructure issues

Developer Intern at Framework IT Solutions

2014-05 — 2015-05

- Led the API conversion of a sports society iPhone app from iOS 6 to iOS 7/8
- Developed various construction equipment/sales rep reports using SSRS for a major equipment services client
- Created stored procedures for data dumps, to be run on a nightly basis

Data Intern at Louisiana Highway Safety Research Group

2013-08 — 2014-05

- Used Splunk to monitor the network for low traffic points so that the database backups would run at those times
- Transitioned annual LA Crash Data Fact Book compilation from manual Excel process to automated, parameterized SSRS reports

Lead Student Computer Technician at Louisiana State University

2011-08 — 2013-05

- Troubleshot LSU's wireless network and made requests for additional access points to be installed in low-coverage areas
- Trained new employees on helpdesk processes and maintained knowledge management wiki
- Repaired and maintained staff/student/lab computers and print servers
- Created and distributed system images using Symantec Ghost

Retirement Benefits Analyst at Louisiana State Employees' Retirement System

2011-05 — 2011-08

- Analyzed Retirement Documents and Letters for correct criteria
- Managed work baskets for Change of Address, Beneficiaries, Drop Accounts, Repayment of Refunds, and Refunds

System Builder at DETEL Computer Solutions

2008-05 — 2010-08

- Custom built over 600 desktop and laptop computers
- Assembled and installed SMART boards for various Louisiana schools

Education

Louisiana State University

2011 — 2015

Information Systems and Decision Sciences, Bachelor

Skills

- Bash
- C#
- CSS
- Customer Service
- Docker
- Docker Compose
- Documentation
- Elasticsearch
- Flyway
- Gradle
- HTML
- Hugo
- Jaspersoft
- Java
- JavaScript
- Jenkins
- Jest
- Markdown
- NightwatchJS
- NodeJS
- NPM
- React
- Redux
- SchemaSpy
- Scripting
- Selenium
- Shell
- Spring Boot
- SQL
- SSRS
- Technical Writing
- Windows Forms

Security Clearances

- DHS Public Trust
- DoD Confidential (inactive)

Certifications

- DHS Section 508 Trusted Tester v4, 2018

Writing Samples

- Make a Hugo blog from scratch, https://zwbetz.com/make-a-hugo-blog-from-scratch/

Profiles

- **@zwbetz-gh** on GitHub