

Dave Carley

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Languages	Python, C, C++, JavaScript, HTML5, Java
Tools	GitHub, git, Jenkins, TravisCI, Artifactory, Gradle
Databases	PostgreSQL, Redis, Cassandra, CouchDB, DB2, Oracle
Cloud	Amazon Web Services, IBM Bluemix
Infrastructure	Docker, Kubernetes, Ansible
Open technologies	Spring Boot, Flask, Django, Kafka, GraphQL
Open test tools	Selenium, Gatling, JMeter, TestNG, JUnit, pytest

Experience

Staff Software Engineer, Box Relay – Pipeline Architect IBM

February 2016 – Present
San Jose, CA

- Architected continuous delivery (CD) pipeline from scratch, lead the team to minimize release time from monthly to weekly
- Lead the design of independent microservices to decouple dependencies using GraphQL, Kafka, Spring Boot, and Cassandra
- Empowered all engineers to commit and validate new features to ensure stability through integration, staging, and production
- Coordinated with executives and managers to define agile practices, tools, and vision among the development organization
- Lead daily scrums with engineers to resolve issues and prioritize work items

Staff Software Engineer, Platform Analytics – Automation Lead IBM

July 2015 – January 2016
Dublin, OH

- Reviewed source code across product portfolios to optimize workflow using automation and agile practices
- Unified commonalities between legacy products and new/recent acquisitions to streamline end-to-end deployment
- Designed the architecture for product automation, assigned roles, defined service level agreements, disaster recovery/redundancy using UrbanCode Deploy and various scripts
- Demonstrated and shared best practices through live demos/training sessions among IBM worldwide teams
- Mobile test automation for iOS and Android devices using Cucumber, Calabash, and Appium
- Participated in CodeRetreat and hackathon using IBM Watson API's

Software Engineer, ECM – Team Lead IBM

January 2013 – June 2015
Dublin, OH

- Designed and developed automated deployment and tests for supported platforms (Linux, Unix, Windows) and middleware
- Lead worldwide performance teams to release new features/enhancements for Atlas, FileNet, and StoredIQ products
- Assisted customers in optimizing performance issues for unique product configurations and enterprise use cases
- Automated daily/long term development and customer metrics using dashboards for management stakeholders
- Actively explored and prototyped emerging best practices/tools for automated deployments/tests before rolling out for wider product adoption

Research Assistant, Teacher's Assistant, Research Penn State Erie, The Behrend College

May 2009 – April 2010
Erie, PA

Education

Rochester Institute of Technology

Master of Science in Computer Science

Rochester, NY
October 2012

- Concentration in Theoretical Computer Science
- Capstone: Solving Satisfiability with Molecular Algorithms

Penn State Erie, The Behrend College

Bachelor of Science in Computer Engineering

Erie, PA
May 2010

- Minor in Mathematics

Projects and Research

- Visit davidcarley.com to view projects and research
- GitHub: dncarley