

# Dave Carley

**Website:** davidcarley.com

**GitHub:** dncarley

**Phone:** (724) 840 – 2411

**Email:** dave@davidcarley.com

Languages	Python, C, C++, JavaScript, HTML5, Java
Tools	GitHub, git, Jenkins, TravisCI, Artifactory, Gradle
Databases	PostgreSQL, Redis, Cassandra, CouchDB
Cloud	Amazon Web Services
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, Platform Engineering

Tesla

November 2017 – Present

Fremont, CA

- Facilitate the adoption of common engineering practices across Tesla departments for continuous integration/continuous delivery
- Implemented Ansible automation for deploying Kubernetes with shared monitoring, logging, alerting, and access controls
- Leverage and build on open source technologies for highly available, scalable, and secure systems
- Designed and implemented techniques to algorithmically prioritize and weigh work, allowing the team to accommodate regular and unexpected priorities

### Staff Software Engineer, Box Relay – Pipeline Architect

IBM

February 2016 – November 2017

San Jose, CA

- Architected continuous delivery 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 SLAs, redundancy using UrbanCode Deploy and 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 gaining wider adoption

## Education

### Rochester Institute of Technology

Master of Science in Computer Science

October 2012

Rochester, NY

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

### Penn State Erie, The Behrend College

Bachelor of Science in Computer Engineering

May 2010

Erie, PA

- Minor in Mathematics