

TEJAS PARIKH

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EXPERIENCE

Red Hat, Inc., Boston, Massachusetts

07/09/2018 - Present

Principle Software Engineer, Site Reliability Engineering

- Lead migrations of Red Hat services such as Red Hat's container registry (<https://quay.io>) and multi-cloud platform (<https://cloud.redhat.com>) enabling them to run on OpenShift.
- Work with external customers by sharing best practices for migration and running services on Red Hat OpenShift platform.
- Develop guidelines and write code to ensure reliability of Red Hat applications and services running on OpenShift.
- Contribute to the development and maintenance of automation tools used in the management of our infrastructure and services.
- Responsible for interviewing candidates for various positions. Provide mentoring to interns, junior developers, and supervise their projects.
- Participate in 24x7x365 on-call rotation, serve as escalation point for unexpected operational issues, root cause analysis (RCA), host postmortem reviews, manage alerts and solve production issues.
- Lead development for OpenShift Dedicated cluster's SSL/TLS certificate management with Kubernetes Operators (<https://github.com/openshift/certman-operator>) and Let's Encrypt ACME API integration.

Northeastern University, Boston, Massachusetts

01/31/2017 - Present

Part Time Lecturer, College of Engineering

- Teach in-person and online courses with enrollment of over 150 students per semester.
- Develop and teach advanced graduate course on Cloud Computing (CSYE 6225) using cloud platforms such as Amazon Web Services, Google Cloud Compute and Microsoft Azure. Students learn to architect and build resilient and highly available cloud native application using various services such as RBDMS, NoSQL, DNS, Object Storage, Load Balancer, GitHub, TravisCI, CircleCI, Virtual Machines, Serverless Computing, pub/sub messaging, Continuous Integration, Continuous Delivery, and Continuous Deployment (CI/CD).
- Developed completely new course (CSYE 7125) that covers advanced cloud computing topics such as containers, container orchestration, distributed systems, service discovery, Infrastructure as Code, GitOps.
- Mentor students on course work, resume review, career path and help them prepare for job interviews.

The Nielsen Company US LLC, Waltham, Massachusetts

08/08/2016 - 07/06/2018

Lead Software Engineer, Innovation Practice Area

- Team lead of a global team of developers building new product in market research domain.
- Developed new features for Concept Editor so customers can develop concept in Nielsen Studio instead of PowerPoint.
- Provide guidance on moving existing application from on premise hosting to cloud.
- Collaborated with other team leads to identify inefficiencies and improve development, testing and release process including cross team communication and collaboration.

IBM Corporation, Littleton, Massachusetts
Advisory Software Engineer, IBM Watson

06/01/2014 - 08/05/2016

- Lead globally distributed Operational Visibility team of 20 developers, focused on identifying business needs, prioritizing and architecting various applications in our stack to provide service owners, developers and support teams, and management real time visibility into operational aspect of our platform.
- Architected and Implemented Centralized Logging infrastructure for Watson Developer Cloud providing developers and support teams access to logs in near-real time without the need to SSH to servers.
- Developed application logging guidance for developers to bring consistency and meaning to application logs.
- Architected and lead development efforts for Payload Logging system. Payload Logging allows developers to use actual customer data for running tests against algorithm improvements and debug issues. Use of Payload Logging data allows developers to test services with dynamic data and identify edge cases that static test data will not catch. Payload Logging system is to be further enhanced so data can be used for Blue/Green deployments. Payload Logging system also provides valuable analytics and insights into how services are being used by customers.
- Assisted with design, development and deployment of application and server monitoring and service health checks.
- Promoted IBM Watson at various events, hackathons, conferences and at client sites.
- Responsible for interviewing candidates for junior, mid level and senior positions. Supervised interns and their projects.
- Provide support nights and weekends when dealing with major issue/outage.
- Initiated weekly cross team checkpoint calls which helped improve collaboration, communication and project efficiency across various organization.

Recognition: IBM Technical Rock Star
IBM Watson Hiring Champion

IBM Corporation, Littleton, Massachusetts
Staff Software Engineer, OpenPages GRC Platform

09/08/2009 - 05/31/2014

- Lead the design, prototyping and implementation of Record Level Security for OpenPages V7 release.
- Contributed to performance and scalability testing for OpenPages.
- Trained and mentored team of 12 developers over period of 6 weeks in Xi'an China in OpenPages software development, defect fixing, technologies used and development process.
- Lead the design and proof-of-concept implementation for unit and integration testing using TestNG framework.
- Programmed support for DB2 database in OpenPages GRC application.
- Provided support to services organization to develop a efficient GRC solution for customers.
- Implemented support for storing and filtering on large text in OpenPages application.
- Diagnosed and resolved software quality issues within OpenPages application.
- Perform release engineering duties such as continuous build of the application, release builds to QA for testing and maintaining a stable build environment.
- Worked closely with customer support to resolve customer escalated software/product issues.
- Lead the screening and interviews for recent college graduates and was involved with interviewing candidates for various middle to senior level software developer positions.

Recognition: IBM Outstanding Contributor Award
IBM Eminence and Excellence Award

Northeastern University, Boston, Massachusetts
Research Assistant, College of Computer and Information Science

01/05/2009 - 05/01/2009

- Installed and maintained local/production level LAMP servers and Semantic MediaWiki, researched distributed caching systems like Memcached and compared it with PHP Accelerator and MySQL's query cache.
- Programmed RESTful Webservice client in PHP to integrate NCBO webservice into Semantic MediaWiki; enable users to annotate biomedical terms as if the ontology was local.

Goldman Sachs, Jersey City, New Jersey
Software Engineer CO-OP, Stockloan Division

01/03/2008 - 07/11/2008

- Designed and developed Administration GUI using Java Swing and DB2 as the backend database to handle batch processing exceptions and make manual adjustments to customer's accruals.
- Built stockloan accruals downstream feed module using DB2 Stored Procedures, Java and Shell scripts to generate and send nightly feed send to the controllers for audits.I using Java Swing and DB2 as the backend database to handle batch processing exceptions and make manual adjustments to customer's accruals.

SKILLS

- **Container Technologies:** Containers (Docker, Buildah, Podman), OpenShift, Kubernetes, Helm
- **Languages, Technologies and Frameworks:** Java, SQL, Shell Scripting, Python, J2EE, Spring, JUnit, TestNG, ANT, Maven, Jenkins, Git, Rails, Grails, Gradle, Apache Kafka, Elasticsearch, Graphite, Netflix OSS stack, Amazon Web Services, Ember.js, Groovy
- **Operating Systems:** Linux, UNIX, Windows, Mac OS X
- **Databases:** IBM DB2, MySQL, Oracle Database, MongoDB, Cassandra, DynamoDB
- **Web and Application Servers:** Apache HTTP, Apache Tomcat, Oracle WebLogic, IBM WebSphere

ACADEMICS

Northeastern University, Boston, Massachusetts
Master of Science in Computer Science

JAN 2007 - MAY 2009

Awards: Research Assistantship, Spring 2009, College of Computer and Information Sciences

Eastern Michigan University, Ypsilanti, Michigan
Bachelor of Science in Computer Science

JAN 2003 - DEC 2006

Awards: Dean's List Fall 2005 and Winter 2006
National Scholars Program Scholarship 2003-2006