Deepak Chandwani

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Education:

Northeastern University, Boston, MA
Master of Science in Information Systems   **Dec 2019**

Shri Shankaracharya Institute of Professional Management and Technology, Raipur, India
Bachelor of Engineering in Electronics and Telecommunication   **Jul 2014**

Technical Skills/Certificates:

Programming Language	:	Java, Typescript, Python, Perl, Swift
Framework	:	Spring MVC, Spring Boot, Hibernate, Express, Junit, Mockito
Database	:	MySQL, Postgres, DynamoDB, Mongo
Tools	:	k6, Prometheus, Grafana, UptimeKuma, Jira, Confluence, Jenkins, Git, Docker

Work Experience:

Senior Software Engineer, Athenahealth, Bangalore, India   **Mar 2023 - Present**
- Successfully planned and executed **disaster recovery** (DR) testing for various services, ensuring system uptime and data integrity.
- Performed and presented technical risk assessments of feature to senior management, proactively identifying and mitigating potential issues.
- Utilized Jenkins scripts to migrate **RDS** databases to newer versions seamlessly, minimizing downtime and data loss.
- Assisted team members with legacy perl monolith, ensuring smooth feature development and customer onboarding through effective collaboration and knowledge sharing.

Senior Member of Technical Staff, Athenahealth, Watertown, MA   **Dec 2021 - Mar 2023**
- Owned and maintained the security of services, acting as Security Champion and promoting a culture of security awareness within the team.
- Co-developed a clinical data export service for all patients within a specific context, addressing critical healthcare needs and adhering to data privacy regulations.
- Presented and conducted threat modeling of bulk data export service to senior architects, demonstrating strong analytical and communication skills.

Member of Technical Staff, Athenahealth, Watertown, MA   **Nov 2020 - Dec 2021**
- Designed and developed a webserver and database server monitoring microservice for rate limiting, optimizing system performance and resource allocation.
- Configured and deployed monitoring stacks for various services, providing valuable insights into system health and performance.
- Performed threat modeling activities, proactively identifying and mitigating potential security vulnerabilities.

Associate Member of Technical Staff, Athenahealth, Watertown, MA   **Mar 2020 - Nov 2020**
- Configured load testing and performance monitoring using k6, ensuring application scalability and responsiveness under high load.

Software Engineer Intern, Paypal, Newton, MA   **Jan 2019 - Aug 2019**
- Designed and implemented connector features using a microservices architecture for efficient and scalable integration.
- Successfully interfaced with various third-party platforms and the Paydiant platform, demonstrating proficiency in cross-platform communication.
- Leveraged Splunk to analyze logs and diagnose integration issues, ensuring smooth operation and resolving complex problems.
- Developed comprehensive test suites to conduct thorough functional testing of connector solutions, upholding high quality standards.

Software Developer, N-Works Technology, Raipur, India   **Jan 2017 - Jul 2017**
- Developed an android application for liaising between teachers and parents utilized by 20+ schools and 9000+ parents.
- Conceptualized business requirements using Java and SQL Server, consists of 30+ screens and features like riders, course curriculum, fee structure and course grades.

Software Developer, Icreate Solutions Pvt. Ltd, Raipur, India   **Apr 2016 - Dec 2016**
- Constructed an android application for owners to safe-guard real estate properties based on 1 month or 12 months subscription plans.
- Designed the functionality for uploading the image to be viewed by subscribed users to keep an eye on apartments, offices, etc.
- Re-engineered the application to optimize its performance and improved user experience by 80%.

Projects:

FHIR Metrics Service   **Nov 2020 - Dec 2021**
- Designed and developed a microservice to monitor the health of database and web servers, providing real-time insights into system performance and enabling proactive issue resolution.
- Implemented a dynamic rate limiting system to optimize resource allocation and prevent system overload.
- Established a centralized caching mechanism to improve data access speed and reduce server load.

Bulk Export Service   **Nov 2020 - Mar 2023**
- Created a new functionality using StepFunctions to delete an export job and clear all of its data from DynamoDB
- Created a panic API to suspend/resume all export jobs if system becomes unstable
- Restrict metrics API to system admins only
- Concatenate all export files to 100mb max

Mad Bawarchi (Spring Boot, PostgreSQL, Amazon S3, Heroku)   **Jul 2019 - Present**
- Developed a web app to digitize cookbooks and share recipes, Users can upload and view recipes by creating accounts.
- Securely stores images using a cloud service, Includes authentication and automated notifications

Expense Tracking System (Spring Boot, EC2, EBS, Route53, SES, ELB, CloudWatch, IAM, RDS, NoSQL and S3)   **Sep 2018 - Dec 2018**
- Designed and built a highly scalable, fault-tolerant web application using Amazon Web Services, demonstrating proficiency in cloud computing technologies and best practices.