

SHREYAS SADANAND BHANDARE

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EDUCATION

Rutgers University, New Brunswick, NJ

May 2017

Master of Science - Electrical & Computer Engineering, GPA - 3.75/4.0

V.E.S. Institute of Technology, Mumbai, India

July 2013

Bachelor of Engineering – Instrumentation, GPA - 3.7/4.0 (73.07%)

TECHNICAL SKILLS

Programming Languages: Core Java, J2EE, SQL, PL/SQL, HTML, JavaScript, CSS, Shell Scripting

Operating Systems: Linux, Microsoft Windows, Android

Databases: Oracle DB, MySQL, PostgreSQL, SQLite, Firebase

Cloud Services: Amazon Web Services, Heroku, Linode

Source Code Management: Git/GitHub, Apache Subversion (SVN)

Tools & Frameworks: Spring Framework – Spring Core, Spring Boot, Spring MVC, Spring Data JPA, Hibernate, Android SDK, Apache Tomcat, LAMP/WAMP Server, phpMyAdmin, Swagger UI, Docker, Atlassian Suite – JIRA, Confluence, Crucible

PROFESSIONAL EXPERIENCE

Software Developer

Dec 2017 – Present

Vitech Systems Group Inc.

New York, NY

- Develop code base for V3 – software product for insurance, investment and retirement administration - focusing on REST API Development, Claims Processing, UI Configurations, Code Maintenance, New Features and Business Rules.
- Maintain ‘Agile’ approach while working in a collaborated environment.
- Prepare technical documentation and templates for new procedures using Atlassian Confluence.
- Communicate with developers and solutions analysts from local and international offices to understand business requirements and brainstorm ideas to figure out technically sound and viable solutions.
- Speeded up team performance by automating local build tasks and improving daily efficiency by **20%**.
- Utilize a good training ability in training new hires to set up code base and help them understand product and work environment.
- Actively participate in university on-campus and onsite recruitment programs thereby bringing in best and brightest talent into the organization.

Technology Stack – Core Java, J2EE, Spring Framework, Hibernate, JavaScript, PL/SQL.

Software Engineer

July 2017 – Dec 2017

The Knight Market LLC

Madison, NJ

- Participated in product design decisions of first and only full-service Buy Sell Trade online/mobile marketplace.
- Followed ‘Agile’ approach while working in a team of size 4.
- Selected appropriate technology stack and architectural patterns in terms of current needs and future updates.
- Successfully developed front-end and Back-end code base for Native Android Application - Consumed REST APIs with JSON response, integrated third party libraries, updated backend service, developed responsive user interfaces and followed best commercial coding practices.

Technology Stack – Core Java, Android SDK, Spring Framework, Linode Cloud – PaaS, Firebase.

Graduate Teaching Assistant

Jan 2017 – May 2017

Rutgers University

New Brunswick, NJ

- Graded Assignments and Projects for ECE 16:332:568 Software Engineering of Web Applications.
- Resolved student queries related to Databases, Application Development and Network Programming.
- Assisted instructor to design better course structure – Industry driven teaching and crash course lectures for revision.

PROFESSIONAL EXPERIENCE (cont'd)

IT Support Specialist

Rutgers Business School

June 2016 – May 2017

New Brunswick, NJ

- Designed and updated an inventory management application to automate inventory tracking.
- Actively diagnosed issues and performed system administration tasks for Windows and Linux based systems.
- Provided software support for EMS (Employee Management System) to students and faculty.

Sr. Engineer

Jan 2014 - June 2015

Mumbai, India

Tata Consulting Engineers Ltd

- Prepared project planning and scheduling document by considering resources, deadlines and milestones.
- Modeled project schedule using Critical Path Method algorithm and its representation using Microsoft Project.
- Prepared logic diagrams for SMART instruments using Functional Block Diagram Language.
- Actively contributed in designing an automation system and industrial network for a material handling system.
- Leveraged on good communication skills to inform clients about latest engineering practices implemented.

PERSONAL PROJECTS

- **PawDopt:** Being an animal lover, I am currently working on the side project - a full-service pet adoption Android application developed in Java, backend service in Spring boot framework and deployed on Heroku PaaS.
- **RU Events:** Developed and Android application that scrapes events around Rutgers University - more than 400 organizations with Facebook graph API and notifies every day.
- **Web Based Stock Forecasting:** Implemented Web based system for showing graphical stock patterns and stock value predictions based on Bayesian curve fitting algorithm and Artificial Neural Networks. Developed code base and assigned tasks to the team. Prepared documentation for requirement specification, system architecture, UML diagrams and project planning.
- **Expense Tracker Application:** Innovated, brainstormed and developed OCR based Expense Tracker Android Application that helps in storing daily expense receipts with Tess-Two OCR engine, graphically track expenses and predict weekly expenditure.
- **Android Malware Detector:** Developed an application that detects maliciousness of other applications on phone using static analysis with K-Means and Naïve Bayes (KMNB). Compared KMNB performance against Naïve Bayes that resulted in better accuracy of **84.74%**.
- **Cloud for Enterprise Software:** Studied Amazon Web Services vs Microsoft Azure for enterprise software as a service.
- **Design of Cloud Environment for WordPress Application:** Designed a Highly Available, Fault Tolerant and Scalable Environment for a WordPress Application consuming fully-fledged Infrastructure as Code capabilities of Amazon Web Services.

CERTIFICATIONS

- Certified Cloud Practitioner by Amazon Web Services under license 0Z8G9EF1L2B4Q49C
- Java for Android by Vanderbilt University under Coursera license QP3PWKCAQCKY
- Parallel Programming in Java by Rice University under Coursera license VVGXBYG67ZYB
- AWS Certified Developer Associate 2018 by Udemy under license UC-GFAZKPKN