Mohan Krishna Chaturvedula

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Education

Indiana University Bloomington, Bloomington, IN	GPA: **3.87 / 4.0**
Master of Science in Computer Science	**May 2017**
Jawaharlal Nehru Technological University, India	GPA: **3.88 / 4.0**
Bachelor of Technology in Computer Engineering	**June 2012**

Technical Skills

Languages	Java, JavaEE, C#, Python, Android Programming, C, Bash scripts, SQL, SQR, VBScript
Tools	Android SDK, Eclipse, GIT, PeopleSoft, Toad, Jenkins, AWS, Heroku, Jira, Tomcat
Databases	Oracle SQL, MySQL, Microsoft SQL Server, IBM DB2, MongoDB
Web Technologies	NodeJS, HTML5, CSS3, jQuery, JavaScript, AJAX, JSON, OAuth, SOAP and REST Web Services
Frameworks	Microsoft ASP.Net, Spring MVC, Hibernate, Hadoop, Maven, Gradle, JUnit, NUnit
Certifications	Oracle SQL Expert and IBM DB2 Certified Database Professional

Work Experience

Software Developer Intern, Bloom Insurance Agency   **June 2016 – May 2017**

- Implemented a system "Bloom Attendance and Adherence Manager – BAAM" to track activity of call-center employees in ASP.NET using C# as development language and wrote Stored Procedures in SQL Server to obtain data.
- Improved turn-around time of insurance enrollment application by 20%, by developing RESTful Web Services to implement an online signing module of application, enabling users to seamlessly add signatures on the fly.
- Fixed bugs and improved code quality using best software development practices in Agile Scrum methodology.

Senior Software Engineer, ADP   **November 2012 - July 2015**

- Implemented ADP EHRMS products that provide Payroll, Benefits and HR solutions with PeopleSoft ERP suite, writing code using SQR programming, Reporting tools, Java web projects and scripting.
- Developed a value-addition tool "Code-Optimizer", which reduced development efforts by 33% by automatically generating essential code snippets for programs, helping developers focus on core application logic.

Academic Projects

BookStore: *Java, Spring Framework, Hibernate, Thymeleaf, MySQL, HTML5, CSS3, JQuery, AWS*

- Developed an E-Commerce website (BookStore) using Spring MVC Framework and deployed it on AWS.
- Registered users can manage their profiles, order books; edit purchased orders and place order for new books. Additionally, users can search books by category, name and based on book titles.
- Administrators can add/remove books, update book details along with making books available/unavailable.
- Implemented the website in MVC architecture using MySQL database to store data. Used HTML5, CSS3, JavaScript and Thymeleaf to develop front-end and Spring Boot along with Hibernate to develop back-end of the application.

Online Banking System: *Java Enterprise Edition (Java Servlets, JSP, JDBC, Localization), HTML, CSS, AJAX, DB2, Tomcat*

- Developed an Internet Banking System using Java Enterprise Edition components (Servlets, JSP, and AJAX) and implemented core banking features such as account management, performing money transfer and paying bills.
- Implemented additional features like Localization (l10n), enabling customers to view site in local languages.
- Adjudged National Winner of IBM's National Programming Contest – The Great Mind Challenge (TGMC) for site functionality, innovative features and code quality.

NoteTaker – Android Application: *Android SDK, Java, SQLite*

- Developed a note-taking app in Android which enables users to add new notes & create, edit & delete a To-Do list.
- Created a dual player game in Android, allowing each user to play for five lives. Users can see final score upon completion and check position in leaderboard stored in SQLite database.

Twitter Weather Bot – @weatherProvider: *NodeJS, RESTful Web Services, Heroku*

- Developed weather bot on Twitter in NodeJS by integrating Twitter Streaming & OpenWeatherMap API and hosted it on Heroku. Bot tweets back real-time weather forecast of requested city to user's twitter account.

PageRank Implementation – Hadoop: *Java, MapReduce, Apache Hadoop*

- Implemented Google PageRank algorithm using MapReduce in Apache Hadoop with 5000 inbound & outbound URL's.

Leadership Activities

- Worked as a volunteer and taught Mathematics to kids at Make A Difference, a not-for-profit organization for 3 years.