SHREYAS KEERTHI RAJU

Software Engineer

Personal Info

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https://github.com/shreyas-k

Address
2901 S King Drive, Apt No 1918,
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Technical Skills

Core Java, J2EE, Node.js

Advanced

Spring, Hibernate, JOOQ

Advanced

MySQL, MongoDB

Advanced

Hadoop, MapReduce, Pig, Hive, Spark, Python

Intermediate

HTML, CSS, JQuery

Intermediate

Achievements

- Presented HashMaps idea at Google Startup Weekend in 2014.

- Organized Computer Society of India Convention at Reva Institute in 2014.

Graduate Student of Computer Science and an IT Professional with 2.5 years of experience in Software Development with a strong passion for coding. I am looking forward to bringing that passion to a full-time role.

Projects

- **CredEx – Credible Examination**
  - Software platform for diagnosing cardiovascular diseases.
  - Tested on nearly 100 real patients, validated with cardio experts and achieved accuracy of 80%.
  - Developed APIs using Python and Machine learning algorithms.
- **Academic projects**
  - Implemented Lambda Architecture using Kafka, Cassandra and Spark.
  - Analyzed health trends through HealthStats, a web dashboard developed using JavaScript and Chart.js.
  - FoodQuest, an online food delivery system developed using Java, MySQL & MongoDB.

Professional Experience

- **Enterprise Architecture Intern, Blue Cross Blue Shield Association**
  June 2017 - Present
  - Worked on characterizing, transforming, applying analytics and reporting National Health Data using Pig, Hive, Spark and Python within BCBSA security parameters.
  - Handled integration of publicly available data sources-governmental, commercial and academic.
  - Handled visualization using Tableau by understanding BCBSA standards, guidelines and healthcare data needs.

- **Software Engineer, LiftOff LLC**
  April 2015 - May 2016
  - Developed RESTful web services and microservices to handle third party integrations using Java, Node.js and frameworks like Spring, Express.js, Mongoose, JOOQ etc.
  - Designed and implemented MongoDB and MySQL schemas.
  - Integrated Elastic Search to improve search performance and setup continuous integration on Jenkins and AWS.
  - Handled Dials, Google, Microsoft Outlook and iCloud calendar APIs in Node.js adhering to CalDav RFC 4791 and iCalendar RFC5545 specifications.
  - Handled regular deployments.

- **Software Engineer, Yokogawa IA technologies India Pvt Ltd**
  July 2014 - April 2015
  - Developed APIs using Java and Node.js to view past behavior of the plant and automate drone to fly in a predefined path.
  - Involved in testing flagship products like CENTUM VP and FAST/TOOLS.

Academics

- Masters in Computer Science at Illinois Institute of Technology (Fall 2016).
  Current GPA **3.67/4**.   **Expected: May 2018**
  Courses: Design and Analysis of Algorithms, Cloud Computing, Big Data Technologies, Enterprise Web Applications, Mobile Application Development, Object Oriented Design patterns, Unified Modeling Language, Data Mining, Computer Networks, Software Project Management
- B.E in Computer Science at Nitte Meenakshi Institute of Technology.
  CGPA **8.52/10**.   **2010 - 2014**