Bhanu Sigdel
Senior Software Engineer

Fairfield, IA - Email me on Indeed: indeed.com/r/Bhanu-Sigdel/a84b1c86c25ddebf

Authorized to work in the US for any employer

WORK EXPERIENCE

Senior Software Engineer
CAREER NOTE - 2013 to 2016

Liaised with team members to drive technical discussion and specification of features and architecture for software sprints; drove development of applications in Ruby on Rails, with projects including a suspicion engine capable of assigning scores to cloud workers, a worker reputation engine, and numerous others. Created RESTful APIS. Continuously drove enhancements to the data pipeline; leveraged complex sets of large data as drivers in development processes and outcomes. Managed data quality and analysis. Identified and eliminated application bottlenecks and performance issues. Transformed a monolithic application into integrated microservices with improved performance capacity. Reviewed, addressed, and resolved reported errors on critical
applications. Supervised, trained, and mentored junior developers.

Achievements:
• Cut CSV download time from 3 days to less than 3 minutes by re-architecting the feature to use denormalized tables vs. normalized tables in MySQL, with implementation of proper indices.
• Boosted performance over 100% and saved 900% on infrastructure costs by creating a Node.JS application to transform data using a JavaScript function, enabling much faster data conversion.
• Dramatically shortened processing time for the Sinatra image and media manipulation engine by re-architecting the existing approach for improved performance.

Resume
BHANU BHAKTA SIGDEL • • 642.451.3403 • sigdel.bhanu29@gmail.com

CAREER NOTE   -   Durham, NC - 2011 to 2016

Completed on-campus studies and currently taking distance education courses to complete a
Master's Degree in Computer Science (Available for full-time, W-2 employment).

CLOUDFACTORY, Durham, North Carolina • 2011-2016
Innovators in machine and human intelligence focused on process and task automation through crowdsourcing.

Associate Data Scientist
CAREER NOTE - 2011 to 2013

Designed and developed a decision support system tailored specifically to internal needs, using exploratory data
analysis in R to identify top performing workers among cloud workers and match them with tasks meeting client accuracy requirements. Programmed data mining algorithms such as clustering, regression, and support vector
machine (SVM). Used Ruby to create core libraries for integration with the primary company product. Designed

database functions such as a suspicion engine; conducted research into Apache Spark for data analysis. Implemented Kafka for data collection.

Achievements:
• Took an instrumental role in landing a major high-value client contract by leveraging data science to demonstrate accuracy biases in client accuracy measurements.

Technologies: R, Ruby, Ruby on Rails, MongoDB, MySQL, Postgres, Neo4j, New Relic, Jira, RStudio, Github, Git, Testthat, Mac.

Additional roles include a period as a Freelance Software Developer in 2013; conducted a deep analyses of the recommendation engine in R and designed an Apache Mahout recommendation engine suited to client needs. Technologies include Java, Scala, Neo4j, Elastic Search, Eclipse, Github, Git, Mac, and Linux. Details on request.

EDUCATION

Master of Science in Computer Science
Maharishi University of Management - Fairfield, IA
June 2018

SKILLS

MYSQL (5 years), Rails (5 years), Ruby (5 years), Ruby on Rails (5 years), JAVASCRIPT (3 years)

LINKS

http://www.linkedin.com/in/sigdel-bhanu

https://www.github.com/bhanubhakta

ADDITIONAL INFORMATION

CORE COMPETENCIES
Back-End Programming & Development • Requirements Management • Software Engineering • Ruby on Rails
Data Science / Data Pipeline Development • Web Application Programming • Software Development Lifecycle

Languages: Ruby, Java, R, Scala, JavaScript, Python, C, C++
Web: Ruby on Rails, Amazon AWS, Sinatra, Rails API, react.js, jQuery, Javascript,
CSS3, HTML5, PHP, Spring MVC, D3.js
Web Services: Rest, SOAP, JSON
Messaging Servers: RabbitMQ, Kafka
Frameworks: Spark, HADOOP
Background Processing: Sidekiq
Databases: MySQL, PostgreSQL, MongoDB, Neo4j, Redis, MemCached, HBase
Design Patterns: Singleton, Factory, Facade, Observer, Decorator
Tools: Sublime, RStudio, Eciipse, Vim, Excel
Performance Monitoring: New Relic
SDLC: Agile, Kanban, Scrum

Testing: Rspec, Cucumber
Platforms: Mac OS, Linux, Windows