

Abinaya Mohan

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Work Experience

Software Engineer — Zycada Networks, Feb 2020 - Present

- Designed interactive and intuitive dashboards for customers to monitor the incoming traffic and analyze the requests/responses using Tableau, Grafana.
- Automated build and deployment using Jenkins to reduce human errors and speed up production processes.
- Designed tuning mechanisms to tune the traffic database as well as the queries to complete a set of given jobs or tasks in optimal time.
- Provisioned Servers and deployed features using Ansible.

Business Intelligence Engineer — General Motors Financial IO, June 2015 – Jan 2020

- Act as a Subject Matter Expert (SME) for Cognos Related Issues / Solutions
- Design and create models in Framework Manager and publish the package for reporting needs through Cognos using Dimensional and Relational databases
- Restructuring SQL queries for better performance and added features to reports.
- Gather requirements for the development and design of database and report generation through collaboration with business analysts and end users.
- Led “Ad Hoc Reporting” project by creating Data model and reports for the Operational Data Store
- Development of front-end portal pages using JavaScript in compliant with the customer’s requests.
- Train end-users for better generation of reports.
- Worked closely with the Project Management Team to analyze and consolidate requirements to meet the project deadlines.
- Working with Shareholders to acquire the requirement specifications, consolidating the tables and columns needed in the data model and to plan the Project deadlines, testing and delivery.
- Requirement Gathering of changes required in the system for the enhancement of Cognos application performance and reliability.

Education

Wayne State University, MI — Masters in Computer Science **August 2014 - May 2016**

3.5/4 GPA

Anna University, Chennai — Bachelors in Computer Science **August 2010 - May 2014**

7.5/10 GPA

Other Projects

- **Commercial/Retail Information Warehouse** - Creating Dynamic/Relational Model Framework using a Test- Driven Development environment and further developing automated reports using the same model.
- **Prediction Analysis** - Developing automated prediction analysis program using Python where we use predictive modelling method to predict the risk of fraudulent customers with current available datasets.
- **ROM Meeting Tool Using VBA** - Developing reports to automatically generate a Risk dashboard to flag the high-risk customers and to identify the least Risk customers for further campaign purposes.
- **Customer Relationship Management (CRM) with Salesforce API data** - Developing ETL Jobs and incorporating the CRM models with existing Operational Data Store model to further market campaigns for customers.

Certifications

- Database Management Essentials
- Data Modelling in Business Intelligence
- IBM Cognos Analytics
- OpenText Exstream

Technical Skills

IBM Cognos, Microsoft Power BI, Tableau, MS SQL, IBM DataStage, Python, Ansible, OpenText Exstream, Oracle, Java