

Jainul Patel

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EDUCATION

Masters of Science, Software Engineering

San Jose State University, CA, USA

Aug 2017 – May 2019

Bachelors of Engineering, Electronics and Communication

Gujarat Technological University, Ahmedabad, India

Jun 2011 – May 2015

Award: Scholarship for best academic performance

WORK EXPERIENCE

Capgemini India Pvt. Ltd, Senior Software Engineer

July 2015 – July 2017

- Developed a Mobile Application for a food and agricultural industry to handle their client accounts, activities with the clients, manage opportunities and finding client potential that can tell the share of the industry in client business.
- Contributed to CG- Portal App which is Google play store like application using Xamarin iOS.
- Developed a Mobile App with key functionalities of Managing and maintaining a database with 4 million records of cylinders, report generation and printing using portable Bluetooth Printer and Device location logging.
- Technologies: Xamarin iOS and Xamarin Android, C#, XCode, Azure Webservices, MySql

Institute for Plasma Research, Software Engineering Intern

Jan 2015 – May 2015

- Developing various software control system for NBI power supply system.
- Designing Operating sequence of power supply system.
- Processing and management of acquired data for Neutral Beam Injection.
- The solution relied on the base of PXI bus and Windows operating system and LabView as the programming language.

Bharat Sanchar Nigam Limited, Trainee

June 2013 – Dec 2014

- Silver Certificate: Digital Switching Systems, Digital Transmission Systems, and Telecom Support Infrastructure
- Gold Certificate: Optical Fiber Technology, Broadband Technology, Broadband Technology
- Platinum Certificate: IP Networking & Cyber Security and Mobile Communication

San Jose State University, Teaching Assistant

Aug 2017 – Present

- Helping and solving queries of students in the course of Analog circuits.
- Grading student assignments, homework and exam papers.

PROJECTS

Kayak.com Simulation (NodeJS, ReactJS, MongoDB, MySQL, Kafka, REST)

Oct 2017 – Present

- Implemented a 3-tier application with functions of Kayak for different travel services with objects like Users, Listings, Billing and Administrator.
- Kafka as middleware, connection pooling, graphs, MongoDB sharding
- Logs to keep track of user activities.
- Performance improvement testing for 10,000 users using JMeter and Mocha.

Dropbox Application Prototype (ReactJS, NodeJS, MySQL, MongoDB)

Aug 2017 – Oct 2017

- Developed an application using 3 tier distributed architecture with modules of user account, file upload, file sharing, activity report and group sharing.
- Kafka as middleware to decouple communication between server and client, connection pooling, logs for user activities
- JMeter, MochaJS and Junit for performance testing.

Chat Me SJSU (Python, Slack API, REST)

Aug 2017 – Present

- Developed a chat bot integrated with messenger like Slack through which simple questions or problems a student has in SJSU could be answered.
- Using the natural language processing and through Rest calls data is modeled and bot keep querying locally hosted app/db to get the required information.

Smart Social Network for Universities

Aug 2017 – Present

- Developing a social networking application for the universities with features of group creation, deletion, messaging within and between the groups, uploading and saving files, mail services, notifications, admin control, service requests.
- Elgg as open source networking engine, ReST API for communication between the server database and client-server, MongoDB for database, HTML5, JavaScript, CSS for development of web application, AWS S3 for storage.

Hotel Booking Management Systems (Spring, JSP, Servlet, SQLite, MVC)

Jul 2017 – Aug 2017

- Designed an application with modules like admin, renting and booking.
- Used Wildfly as the server and Oracle 9i for database.
- Junit for performance testing.

SKILLS

Operating Systems:

Mac, Windows, Linux

Technologies/Framework:

J2EE, JavaScript, C#, C++, REST, Spring, MVC, Node.js, Zookeeper, ReactJS, AWS, EC2

Database/Middleware:

MySQL, Oracle9i, SQLite, MongoDB, Kafka, Passport.js, Express

Testing:

Junit, JMeter, Mocha

Tools:

Eclipse, Xamarin Studio, XCode, GitHub, SVN, Microsoft Visual Studio