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About me

Driven professional with broad technical skillset. Known for ability to multi-task and judge multiple pressing projects simultaneously, meeting all deadlines. Highly skilled in developing desktop, web and mobile applications using frontend technologies. Avid interest in wire-framing, building designs for complex problems, understanding the problem behind the technical requirement to give effective suggestions and bridging the gap between tech and human language .
Excellent problem solver, experienced in interpreting and implementing complex ideas/problems using effective methods. Thrives in environments that constantly embrace new technologies.

Experience (13 Years)

Engineering Manager at Twilio - *July 2022- Present*
Working as a Technical Engineering Manager managing a team of 10 engineers (backend & frontend).
Responsible for delivering Anti-Spam solutions for enhancing the realtime Messaging capabilities and allowing only clean traffic out of Twilio ecosystem.

Vice President at Morgan Stanley - *July 2016- July 2022*

Working as a Technical Manager managing a team of 10 engineers (backend, frontend, Manual & Automation QA) from India region.
Responsible for managing deliveries and team from India Region for an extremely complex trading platform called 'Matrix' which allows users to do FX trading along with multitude of other features.
Actively involved as an Individual contributor (Senior Front end developer with passive contributions to backend and DB).
Working in close collaboration with the business, development team and the firm wide web framework building team to design and develop high performing enterprise level applications.
Responsible for leading the tech hiring activities for multiple skillset across India location for the biggest department of Morgan Stanley (IST - Institutional Securities)

Senior Knowledge Analyst at The Boston Consulting Group - *January 2015- July 2016*
Worked as a Front end developer on several engagements involving web apps, mobile apps and hybrid apps.
Worked in close collaboration with consulting teams & development team to design and develop mobile, and web based digital solutions.
Worked as a delivery lead for one of the projects and managed end to end delivery.

Consultant at Deloitte USI - *August 2013- December 2014*
Worked as the only UI developer for a public sector project for British Columbia on a newly introduced framework by Oracle.
Interacted with internal teams of various projects to understand their requirements and came up with reusable plug and play solutions using Oracle Siebel Open UI framework, HTML, CSS, JavaScript, jQuery and various tools and libraries.

Senior Software Engineer at iGate Global Solutions - *August 2010– August 2013*
Worked as a Senior UI developer on a building automation project in close collaboration with the client technical team to design and develop a web based solution for browsers and touch panels.
Worked on an education sector project for a foreign government as a full stack developer.

Project Summary

Twilio

Messaging Traffic Authorisation System

It's a real time spam detection system which analyses messages sent through Twilio infrastructure in real time. The system is capable of analysing millions of messages per second and run each message through a set of rules that try and identify if the message is a spam or not. It also has built-in regulatory based compliance checks which ensures that Twilio can operate in different countries e.g . US/Canada/ Singapore/France etc. and the messages sent via destination phone numbers(in each country) defined in a message are compliant with local regulations and hence, prevent Twilio from fined by the authorities.

Responsibilities:

- Responsible for building and maintaining a clean and efficient data pipeline consolidating data from various sources using Kafka queues, enabling Twilio Ops specialists tp take informed decisions to enhance compliance and spam detection techniques.

- Building a real time spam detection and blocking system which is compliant to multi region/country regulations and ensuring that Mobile Carriers (e.g. Verizon, AT&T, TMobile, etc.) do not get spammed with bad messages and receive clean traffic on their platform.
- Responsible for finding various use cases where work is done manually in supporting the Messaging infrastructure and building automation solutions for it. This results in saving Man hours thus allowing Twilio to deploy Human Resources on critical initiatives only e.g. detecting anomaly in realtime messaging traffic.
- Built a comprehensive end to end AWS infrastructure for hosting a 3rd Party software(having realtime connection with Vendor system) within Twilio infrastructure

Tech Stack: **React, JAVA, Kafka, AWS, Buildkite, Python**

Morgan Stanley

Matrix

It's an extremely complex multi-layered application. The application presents the informed opinions from market professionals which is based on pre-trade analytics, post-trade portfolio management, live pricing and simple execution. This enterprise application offers multiple services to clients such as-

- Tailor made 'Quantitative Solutions and Innovations' to achieve investment, trading and performance objectives
- Execute a full suite of FX Spot, Forwards, NDFs, Swaps and Options, Precious metals and Algos
- Manages the Prime Brokerage and clearing relationship, with consolidated information across multiple asset classes, including Cash Securities, Equity Swaps, Listed and OTC Derivates.
- Provides real time research publications, sales and trading ideas and commentary
- Provides powerful analytics and charting tool to help generate own trade ideas or explore existing ones from Morgan Stanley Traders

Responsibilities:

- Responsible for reducing risk in the product, increasing productivity of the team.
- Responsible for building and managing all the platforms the product is available on i.e. Web, Mobile and Desktop.
- Actively engaged with Vendors for upgrading and improving the product.
- Playing role of Scrum Master for the squad from India
- SPOC for all India level hiring for the team and the department for multiple skillsets.
- Leading the development and QA team for the Core infrastructure development for the platform involving reusable and complex reusable solutions.
- Responsible for building the dev-ops infra involving building CI/CD pipelines and automating the deployments
- Working directly with the framework building team of Morgan Stanley to improve the existing framework that is used in the web application
- Completed upgrading the existing code from Angular 1 to Angular 9.
- Analyse Adobe Flex code and converted it to latest web technologies
- Created a python script for automating the migration of code from Perforce to GIT including the commit history and associated JIRA tickets.
- Created a generic project in GIT using GIT commands, shell scripts and Grunt tasks to build multiple UI projects at once.

Tech Stack: **Angular, NgRx, RxJS, Java, OpenFin,** HTML5, CSS3, jQuery, AngularJs 1+, Gulp, Git, JIRA, Python, Shell Scripting, JAVA, Ionic 2, UNIX, Lightstreamer, Gigaspaces

Matrix Entitlements Tool

A web platform built using Angular to grant and revoke access of users to Matrix application modules and views. This tool is also used to restrict/enable specific content for a user in the web application and is used as an entry point to onboard users on the Matrix Platform. The entitlements provided in turn, controls the access levels of each user and can be used to bulk onboard users.

Responsibilities:

- Leading the development team of the application.
- Involved in day to day development and code review activities as a team lead and individual contributor.
- Involved in requirement gathering, development and design phases.
- Involved in direct interaction with business to understand requirements and provide solutions.
- Involved in performing risk assessments for the changes in the application.
- Guiding the team and making necessary changes in JAVA and Database.

Tech Stack: **Angular, NgRx, RxJS** JAVA, GIT, JIRA

The Boston Consulting Group

Technologies used: HTML, SCSS, Typescript, Angular JS, jQuery, D3, High Chart, Gulp, Ionic, PhoneGap
Role: Front End Developer

- Created a hybrid mobile application for iOS , Android and Windows which keeps track of the learning programs and other details of each employee in the firm.
- Created a visualisation tool which was used to showcase the ministry departments and their respective tasks and responsibilities. The tool shows the details and section of the law which are applicable to each department.
- Created a pricing tool for a major German front line supplier to the energy sector which manufacture high quality cable. This tool allows the sales person to make quick decisions and estimate the correct pricing to be offered based on historic interactions/ purchases and save orders.
- Created an encyclopaedia tool which provides and up-to-date overview of the most important market research commissioned by different entities of a ministry
- Created a mobile website accessible on all the mobile OS default browsers which showcases the work done by the firm so far in technology along with the team structure
- Created a web application for one of the top energy company in India which was extremely data centric and included a management dashboard
- Created a web tool for estimating pricing and generating loan requests for a major Indonesian bank
- Created a scaffolding project using Angular JS for developing web applications.
- Created a CIO Cycle planning tool and showing the data in an activity grid/Gantt Chart. Responsible for creating the entire application including backend and frontend
- Created a web application aimed at supporting mobile and desktop devices for a commodity focused case project. Worked as a developer lead and responsible for creating the complete architecture of the application.

Deloitte USI

- Created a Siebel web application for public sector of British Columbia healthcare department.
- Created a web application integrating human speech with computer graphics
- Created multiple POC's to be shared within the organisation to help other UI developers.
- Created a survey application using Backbone JS to showcase in Dreamforce'13
- Created hybrid mobile application for iOS to showcase the abilities of Siebel Open UI for Oracle Open World'13
- Created Firefox add-on to resolve Siebel Open UI product issue which Oracle couldn't fix
- Created several Demo Applications (Greenfield, Oracle Open World, and VISA) showcased at worldwide annual conferences to win projects for the organization
- Created a project for VISA to implement features that were lacking in Siebel HI applications as part of the Open UI architecture of Siebel
- Created a puzzle game 'Flood It' using WPF

Tech Stack: **HTML5, CSS3, Javascript, jQuery, Grunt, Git, Tortoise SVN, Siebel Open UI**

iGate Global Solutions

Desigo Touch Panel & Web

A touch panel based solution to enable building automation products offered by a German conglomerate company. This system is responsible for the efficient control, regulation, and optimization of a single system or several systems in a building.

Responsibilities:

- Worked as the only web developer in a team of 20-25 developers.
- Responsible for handling the entire UI layer and building every feature from ground up.
- Converted the designs into code with smooth interaction and animation
- Involved in manual and automation testing of the web application.

Tech Stack: **HTML5, CSS, jQuery, Clear Case, Thrift, C++, BACnet Protocol.**

Serco Learning

A touch panel based solution to enable building automation products offered by a German conglomerate company. This system is responsible for the efficient control, regulation, and optimisation of a single system or several systems in a building.

Responsibilities:

- Worked in a huge team of 200 developers as a .NET developer.
- Started working on the client side using jQuery to build responsive layout.
- Converted the designs into code and built complex features like customised drag and drop.
- Involved in manual testing of the web application.

Tech Stack: **HTML5, CSS, jQuery, Clear Case, Thrift, C++, BACnet Protocol.**

Awards

- **Arjuna Award** in Morgan Stanley **-** 2019
    - For leading the team by example and consistent focus on business deliverables and generating new ideas.
- **Eureka Award** In Morgan Stanley - July 2018
    - For being self motivated and innovative in approach towards solving business problems and being persistent and creative and inspiring team members
- **Stellar Performer** in BCG for second half of 2015
    - Awarded for delivering high end solutions and establishing the team as a brand within BCG
- **Star Performer** in BCG in 2014
- **Applause Award** for Salesforce project in Deloitte USI in November 2013
- **Spot Award** for contribution to Siebel Open UI in November 2013

Certifications

- **Azure Data Fundamentals - August 2021**
- **Azure Fundamentals - September 2021**
- **Azure AI Fundamentals - October 2021**

Skills

Computer Operating System	Windows, Mac
Automation Tools	Grunt JS, Gulp JS
Programming Languages	HTML, SCSS, Java Script, Typescript, C# (basics), JAVA(Core basics)
JS Library/Frameworks	Angular, React JS(basic), Angular JS, AG-Grid, Express JS, Mongo DB, Node JS, jQuery, Highcharts, HighMap, D3, Bootstrap JS, Sigma JS, Kendo UI, Adobe Flex, Siebel Open UI Scripting, Knockout JS, Backbone JS, Underscore JS, Handlebar JS
Design Tools	Adobe Photoshop, Just in Mind, Indigo Studio
Development Tools	VS Code, IntelliJ, Sublime Text, Atom , Brackets, NetBeans, Eclipse, Visual Studio, Android Studio, XCode
Other Tools	XWP(X Works Plus), ABT (Automation Building Tool), QC (Quality Centre), CFC (Continuous Function Charts), Clear Case, JIRA, Perforce, GIT

Educational Qualification

- M.S in Software Engineering. From BITS Pilani with a CGPA of 8.16. Year of Passing – 2013.
- B.E. in Information Technology. From Shah and Anchor Kutchhi Engineering College. Affiliated to University of Mumbai with an aggregate of 62.54 %. Year of passing - 2010.
- Higher Secondary from KV INS Hamla, CBSE Board. With an aggregate of 76.8 %. Year of Passing – 2006.
- S.S.C from KV INS Hamla, CBSE Board, with an aggregate of 87.33%, Year of passing - 2004.