

SANKET KUMAR

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EXPERTISE AND SKILLS

Web Technologies: HTML5, CSS3, AngularJS, Node.js, Express.js, Socket.io, JavaScript, REST API, TypeScript, D3.js, LESS, SASS, jQuery
Programming Languages and Platforms: Java, Spring MVC, Spring Boot, Android, iOS, Amazon Web Services, Heroku, PowerBI
Database Technologies: SQL Server, MySQL, Google Firebase, MongoDB, PostgreSQL, DynamoDB, Hibernate, InfluxDB, Redis
Build and Collaboration Tools: Git, Maven, Gradle, AWS CLI, RoboMongo, TravisCI, Bower, Browsersync, NPM
Certifications: HTML, CSS and JavaScript for Web Developers | Programming with JavaScript, HTML and CSS | Microsoft Web Platform - HTML5 | HTML, CSS and JavaScript | Web Apps jQuery Foundation | Single Page Applications using AngularJS | Web UI Frameworks

EDUCATION

Northeastern University, Boston, MA
Master of Science - Information Systems

Expected May 2018

University of Mumbai, Mumbai, India
Bachelor of Engineering - Computer Engineering

May 2013

PROFESSIONAL EXPERIENCE

PayPal Inc., Boston, MA – *Software Engineer Intern*

May 2017 – Dec 2017

- Worked as Frontend Engineer to create an end-to-end monitoring dashboard for **PayPal Here** system to monitor real-time alerts
- Plotted graphs to display analytics for transaction failures in United States, United Kingdom and Australia geographies using **D3.js**
- Fetched data from InfluxDB and updated the frontend in real-time to update the dashboard statistics using **AngularJS MVC**
- Created **Restful services** to receive PayPal Here alerts and transmit to PayPal Command Center using **Node.js** and **Express.js**
- Developed a real-time chat-bot to provide application statistics based on keyword search using **Node.js**, **Express.js** and **Socket.io**
- Formulated an Email and Slack alerting application to notify real-time transaction failures and errors in PayPal Here using **TICK (Telegraf, InfluxDB, Chronograf and Kapacitor)** stack and lambda expressions

Tata Consultancy Services Ltd., Mumbai, India – *Front End Engineer*

Dec 2013 – Sep 2016

- Engineered a responsive Frontend for Client Visit Management System using **HTML5, CSS3, JavaScript, AngularJS, Bootstrap, jQuery, AJAX** and provided intuitive client-side validations. Optimized application performance by reducing load time by **50%**
- Incorporated a single-page application, 2-way data binding, custom UI directives and dynamic searching using **AngularJS MVC**
- Developed and deployed **Android** and **iOS** apps for the web app and accessed native device features using **JavaScript interfaces**
- Worked closely with the UX group to upgrade and enhance the user experience by creating new interfaces, infographics and charts depicting complex data sets in multiple device and browser friendly formats using **charts.js, Bootstrap and CSS3 media queries**
- Created **RESTful API's** for Visit creation, Agenda creation, file upload and sending email notifications modules using **Spring MVC**
- Devised a Contact Management system for the Sales Team using **HTML5, CSS3, AngularJS, PostgreSQL, Spring MVC, Hibernate**
- Optimized application load time from **2s to 0.9s** by minimizing HTTP requests, implementing CSS sprites, applying gzip compression at the server, minifying the JavaScript and CSS reference files and loading the JavaScript & CSS files asynchronously
- Executed an **AGILE SDLC** as a **Scrum Master** and **Team Leader** attending **Sprint Planning, Check-in** and Review **Scrum** sessions
- Boosted the system's user base by about **150%** from the prior application and analyzed the features published in each release

ACADEMIC PROJECTS

Kayak Database Management ([Project Github URL](#))

May 2017 – Aug 2017

- Designed and developed a database for travel aggregator application for trend and revenue analysis in Microsoft SQL Server 2012
- Formulated views, constraints, table-column encryption, stored procedures, triggers and created extensive reports using PowerBI and deployed them on PowerBI's cloud platform. Modelled the database using MS Visio

iPropel ([Project Github URL](#))

Jan 2017 – Apr 2017

- Developed a recruitment portal with several user roles, multipart file upload, Spring REST, Spring Security interceptors, hibernate filters, Apache Tiles, Velocity, Excel/PDF view templating and responsive UI using HTML5, CSS3, Spring MVC and Hibernate ORM

LetItGo (<http://neu-csye6225-spring2017-team-1.com>)

Jan 2017 – Apr 2017

- Programmed a fault tolerant web application using Spring MVC, Maven, Hibernate, HTML5, CSS3, AngularJS, JavaScript, Browsersync, MySQL, REStEasy and hosted on cloud platform (Amazon Web Services) using IaaS, PaaS & SaaS services such as EC2, EBS, Route53, SES, ELB, CloudWatch, IAM, RDS, NoSQL (DynamoDB and MongoDB), S3 object store and tested using JUnit
- Implemented Continuous Delivery using Github, TravisCI and Amazon Code Deploy and gained understanding of DevOps and Site Reliability Engineering roles

NUFinder (<https://nufinder-390bf.firebaseio.com>)

Sep 2016 - Dec 2016

- Created and deployed a responsive full-stack web application on Firebase's cloud platform which aims to help Northeastern community post any lost or found items to reunite with the owner. Built using HTML5, CSS3, AngularJS and Google Firebase

GE Hackathon - Invoice Automation System ([Project Github URL](#))

- Devised a system using Java Spring MVC, MySQL, HTML5, CSS3, AngularJS and Bootstrap Framework to automate General Electric Aviation's freight management system