

KARAN RATHORE

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EDUCATION

California State University, Fresno (2018-2020)	M.S. (Computer Science)	GPA: 3.45/4
• Coursework: Adv. Data Structure, RDBMS, Web Semantics, Artificial Intelligence, Principles of Programming Languages		
Amity University, Noida, India (2010-2014)	B. Tech (Computer Science)	GPA: 3.4/4
• Coursework: Data Structures, Algorithms, Operating System, Databases, Web Technologies		

SKILLS

Languages/Databases	C++, Java, MSSQL, MySQL, SQL Lite, Mongo DB
Frameworks/API	Spring MVC, Spring Boot, JPA Repository, Hibernate, OpenGL, Google Firebase, AWS
Tools	Visual Studio Code, Adobe Dreamweaver, Android Studio, Eclipse Luna, Code Block, Google Optimize, GIT, JIRA, Blue Prism
Web Development	Angular 6+, JavaScript, typescript, jQuery, Node.js, Express JS, REST API, HTML5, CSS3

EXPERIENCE

Software Developer Intern	Boodmo - Spare Parts Expert	May 2019 – July 2019
Developed REST API's in Spring Boot to retrieve dark web data as per the user's requests.		
• Implemented Swagger for API documentation and integrated authentication module for accessing API's.		
• Introduced Spring Data Elasticsearch for enhancing queries involving text search and improving their response time.		
Technologies Used: Spring Boot, Java, Elasticsearch, REST API, Firebase Real-time database, JavaScript, OAuth, Swagger.		
Senior Technical Consultant	Genpact Headstrong Capital Markets	Feb 2017 – July 2018
Developed scheduling & coordination module of Meeting Manager web application using Java Spring MVC for internal meetings management of Boston Consultancy Group (BCG) . Implemented REST API's in Spring for automating business logic and extracting data.		
• Query/stored procedure cost optimization using SQL Profiler & indexes.		
• Integrated Meeting Manager to interact in real time with third party API like JIRA and BCG internal tool Double Dutch .		
• Provided end user trainings to BCG employees for Meeting Manager.		
Technologies Used: Spring MVC, Java, SQL, Web API development, HTML, CSS, JavaScript, Apache Tomcat.		
Web Developer	Hatchery Hub Pvt. Ltd.	Mar 2016 – Aug 2016
Independently handled e-prescription module for a Health group, developed features like Auto Tags Input, Cascading dropdown .		
• Developed REST API's in Spring MVC to retrieve JSON data as per the user's requests, also used google location API's.		
• Designed database, implemented JPA repositories, Hibernate and Applied collaborative filtering algorithm to determine the patient latest medical history as per doctor specialization and clinic.		
Technologies Used: Spring MVC, Hibernate, JPA, MySQL, Web API development, JavaScript, Database Mapping Tool.		
Android Developer Intern	CMC Ltd.	May 2015 – July 2015
• Built user login & access control android app and linked with Java web application using Rest API for reporting solutions.		
Technologies Used: Java, SQL Lite, Android Studio, SDK Tools.		
Web Developer Intern	Expert Infotech India Pvt.Ltd.	Nov 2014 – April 2015
• Worked with team to develop features (REST API's, Authentication, Web services) using JavaScript the Employee Billing application.		
Technologies Used: JavaScript, HTML, CSS, Bootstrap, Java Spring framework, MySQL, REST.		

PROJECTS

My Give Away Web Application (GitHub link)	Angular Mean Stack, Angular Material, MongoDB, AWS
• Developed an app where users can post their giveaway gifts and contact to other users, user interactions using Firebase real-time database, login/signup is handled by SPA Authentication, OAuth, User Id Authorization & Route Guards .	
• Error handling and optimization is implemented using Error Interceptors, Module lazy loading and AuthGuard .	
• Created Node-Angular env and deployed the app on AWS Elastic Bean Stalk .	
My Recipe book (Live project link)	Angular Mean, MongoDB, Firebase console
• Implemented recipe book project where authorized users can add their recipes & groceries to cart.	
• Aimed at key features like Image preview, Pagination, Login OAuth Authentication, Real-time database, Error Interceptor, AuthGuard & deployed on Google Firebase Console .	
My e-Medicine (Document link)	Spring MVC, Hibernate, Server, JavaScript
• Web application for electronic prescription, patient history, nurse module with the concepts of database normalization.	
• Implemented REST architecture for API's to allow flow of data through the application.	
• Managing background processing such as patient activities for insights and data analysis through Google Analytics .	
Hungry Shark (GitHub link)	OpenGL, C++, SOIL, Code block, Model Loader
• Designed & developed a 2-D game in Code Block, where sea diver needs to find treasure rewards and new levels are added dynamically. After every level new enemies are introduced.	
• Implemented enemy movement detection algorithm using AI Collision Algorithm .	
Steak House (Analytics Report Link).	Google Analytics, Google Optimizer, Webhost
• Designed a website prototype based on Human Computer Interaction core concepts and performed A/B, Redirect and multivariate testing analysis using Google Optimizer & Analytics.	