RAMKUMAR GUPTA

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Technical Skills

❖	Technology Stack	: (*proficient*) JavaScript, ReactJS, HTML, CSS, NodeJS, ExpressJS, TypeScript, MongoDB, AWS. (*familiar*) Java, Python, SQL, PostgreSQL, GCP.
❖	Programming Environments	: IntelliJ, Sublime, Visual Studio Code.
❖	Operating Systems	: Windows, Linux/Ubuntu, and MAC.

Professional Experience

Lead Engineer at 7-Eleven   *APRIL 2022 – PRESENT*
Projects

- **Consumer Apps**

  - Spearheaded a team of engineers in developing, testing and deploying robust 7Now customer web and mobile applications to production resulting in increase in sales by 20% and customer satisfaction.
  - Implemented localisation feature on both frontend and backend for web and mobile applications.
  - Implemented live view tracker application for stores using AWS IoT.
  - Optimized existing application on frontend and backend to improve user journey on app resulting in it reduced 50% time which it was taking earlier.
  - Currently working as a Lead engineer involved in both UI designing as well as server less API creation using AWS lambda and involved in code review process.
  - *Technologies*: ReactJS, Redux, NodeJS, AWS IoT, MongoDB, Jenkins, AWS lambda.

Associate Technical Architect at
Quantiphi Analytics Solutions Private Limited   *DECEMBER 2018 – MARCH 2022*

  Projects

- **Admin Dashboard**
  This platform is used by different business and analytics users to perform analytics on large datasets. This is an IOT application which helps users to determine the temperature, water and other ingredients needed to brew the coffee based on expert recommendation.
  Responsibilities:
  - Led team of developers to design and set up the architecture of the project.
  - Designed RBAC module for the system.
  - Designed cloud function using pub/sub to optimize large-size images for fast rendering on UI.
  - Designed export functionality by using which the user can export a large dataset from UI.
  - Worked on API's optimization.
  - *Technologies:* ReactJS, NodeJS, Sequelize, PostgreSQL, Google App Engine, Cloud Storage,

Cloud function, pub/sub, Cloud SQL, etc.

- **Radimetrics Portal**

  The Radimetrics Platform supports new regulatory standards on dose reporting and tracking, protocol management, and benchmarking. The platform helps patient-care teams report, track, and manage radiation dose and contrast dose throughout the chain of care. Protocol Management System.

  Responsibilities:
  - Designed different charts to visualize the data like bar charts, LDRL charts, Pie charts using canvasJS and ReactJS.
  - Implemented different APIs for chart visualization.
  - Designed different forms for application using formik.
  - Designed Peak skin dose module which is used for patient radiation dose management.
  - *Technologies:* TypeScript, ReactJS, Java, Spring boot, formik, CanvasJS, etc.

- **BIOS Hemorrhage Detection System**

  In this project we have implemented role based web application and integration of Papaya viewer to view different dicom files.

  Responsibilities:
  - Involved in POC design in which we explored Integration of different DICOM viewers with ReactJS app and google cloud services for the entire development setup.
  - Integrated Papaya image viewer with ReactJS app.
  - Customized Papaya viewer based on requirements like control options, view mode, etc.
  - Implemented an authentication module using Fusion Auth.
  - Implemented role-based access control web application.
  - *Technologies:* JavaScript, React, ExpressJS, Fusion Auth, Google App engine, etc.

- **Chatbot UI Design**

  In this project, we have designed a chatbot UI using React with TypeScript.

  Responsibilities:
  - Involved in chatbot UI design phase
  - Involved in the integration of chatbot UI with conversational APIs.
  - *Technologies:* TypeScript, React, ExpressJS, Dialogflow, App Engine.

- **PHOENIX (Historical Data Migration)**

  In this project we have migrated terabytes of historical data from different on premises DB to aurora serverless using AWS database migration services. This application is used by users to perform different insurance-related queries.

  Responsibilities:
  - Involved in POC design in which we explored different AWS services such as elastic search, glue catalog, RedShift, Aurora serverless, etc.
  - Involved in the implementation of serverless architecture.
  - Collaborated with co-workers to establish backend and frontend conventions, principles, and patterns.
  - Implementing authentication modules using Azure AD and React ADAL.
  - Implemented localization (Language Translation) feature.
  - Worked as a frontend engineer to design user interfaces according to different use cases.
  - *Technologies:* JavaScript, Python, React, Redux, Material-UI, S3, Aurora serverless, AWS Lambda, API Gateway, Azure AD.

Product Engineer at
Service Lee Technologies Pvt Ltd *JULY 2017 – NOVEMBER 2018*

Projects
- **Technician App**

  This app is used by technicians or experts of the system. Technicians use this app to track jobs assigned to them, customer information, and various other activities involved in repairing a system or device.

  Responsibilities:
  - Collaborated with co-workers to establish backend conventions, principles, and patterns.
  - Coordinated analysis, design, implementation, and test of this large software system.
  - Built reusable code and libraries for future use.
  - Worked as backend engineer to write different APIs for technician apps.
  - ***Technologies*:** JavaScript, Android, NodeJS, Loopback, MySQL, MongoDB, AWS.

- **Parts Management**

  This system is used for inventory management of different types of consumer electronic devices. Used by multiple warehouses.

  Responsibilities:
  - Involved in database design and architecting phase.
  - Worked closely with product managers, editorial, and business partners to understand software requirements.
  - Developed test drive/test first unit tests.
  - Implemented document generation feature which generates and uploads various types of documents such as Invoices, Challan, etc.
  - Integrated with other existing systems such as Regenersis, Apple GSX, etc.
  - ***Technologies*:** JavaScript, React, NodeJS, Loopback, MySQL, MongoDB, AWS, Handlebar, HTML, CSS.

- **Device Care**

  We have implemented device care for JIO feature phones.

  Responsibilities:
  - Involved in database design and architecting phase for device care.
  - Worked as a backend developer to write different APIs.
  - Integrated with existing systems.
  - ***Technologies*:** JavaScript, ReactJS, NodeJS, Loopback, MySQL, MongoDB, AWS.

- **Integration Module**

  This module is used when we integrate our existing system with other systems.

  Responsibilities:
  - Worked as a backend developer to write different APIs for integration.
  - Implemented different APIs to store master data from other systems.
  - Involved in the database design phase.
  - ***Technologies*:** JavaScript, NodeJS, Loopback, MySQL, MongoDB.

- **CoreApi Module**

  This is our core module. Every system in our project interacts with this module. This module acts as customer relationship management.

  Responsibilities:
  - Worked as a backend developer to write different APIs.
  - Involved in code rewrite and optimization phase of existing systems.
  - Implemented test cases for existing APIs.
  - Involved in the database design phase.
  - ***Technologies*:** JavaScript, NodeJS, Loopback, MySQL, MongoDB, AWS.

Software Developer at Accion Labs   *AUGUST 2016 – JULY 2017*
  Projects

- **Wombat Admin Application**

  Wombat admin app provides information security awareness and training software to help organizations teach their employees to secure behavior.
  - **Responsibilities:**
    - Worked as a full-stack developer to design UI and API.
    - Implemented pagination logic for view Company, view admin, users pages.
    - Standardized user forms used in websites.
    - Upgraded the website to a newer version of ember.
    - *Technologies*: HTML, CSS, Bootstrap, JavaScript, EmberJS, Ember Data, Java, Spring, Maven.

- **HR Recruitment Management System**

  A website that tracks the overall recruitment management process.
  - **Responsibilities:**
    - Design the wireframe for the recruitment management system.
    - Project setup and automation using ExpressJS, Gulp, NodeJS, and MongoDB.
    - *Technologies*: HTML, CSS, JavaScript, GulpJS, ExpressJS, NodeJS, Angular 2, MongoDB.

- **Accion Labs Website**

  In this project, we changed the platform of an existing website from WordPress to Hexo which is a static site generator.
  - **Responsibilities:**
    - Implemented hierarchical dynamic navigation menu using Nunjucks.
    - Manipulation of content from existing website to a new one using markdown.
    - Integration of banners on the home page.
    - Integrated search engine into website and SEO design of the website.
    - *Technologies*: HTML, CSS, Bootstrap, JavaScript, NodeJS, Hexo, Nunjucks, SASS, JQuery.

Final Year Project:

- **Title:** Honeypot A Cyber Attack Detector. (Major)
- **Team Size**: 3
- **Description:** A honeypot is a computer system on the Internet that is expressly set up to attract and trap People who attempt to penetrate other people's computer systems.
- **Responsibilities:**
  - Implemented dashboard using WordPress to show different users or website visitor's behavior on a website.
  - Implemented fake websites using WordPress.
  - Designed database schema for the honeypot.
  - Written SQL queries to analyze different types of attacks on a website.
  - *Technologies*: JavaScript, PHP, HTML, CSS, Bootstrap, WAMP Server, Apache Tomcat.

Education

Atharva College Of Engineering, Mumbai   **Mumbai University**   *July 2012-June 2016*

- **Major:** Computer Engineering, B.E. (CGPA 8.38)
- **Programming Coursework:** Algorithms and Data Structures, Operating Systems, Computer Networks.

Academic Achievements:
- Python for Everybody from the University of Michigan.
- Python for Data Science from University of California San Diego.

- Statistics and Probability in Data Science using Python from University of California San Diego.
- Machine Learning Fundamentals from University of California San Diego.
- Machine Learning from Stanford University.
- Basic of Mongo DB from MongoDB University.