

# GUNDEEP SINGH SALUJA

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## PROFESSIONAL EXPERIENCE

### Software Engineer, *Wipro*

01/2023 – Present | Remote, USA

- Orchestrated the creation of an AI-driven healthcare platform using Node.js (Express.js for the backend and React.js for the frontend), catering to a user base exceeding 500,000 individuals
- Executed a secure patient data handling system, ensuring HIPAA compliance and achieving zero breaches throughout the project's timeline
- Managed a MongoDB database hosting over 10 million patient records and optimized system performance by 35% through the strategic use of Redis for caching
- Engineered RESTful APIs to facilitate seamless data exchange, successfully managing an average of 200,000 daily requests between front-end and back-end services
- Implemented a containerized solution with Docker and Kubernetes, guaranteeing scalability and high availability of the healthcare application
- Leveraged AWS services (EC2, RDS, S3) for deployment, data management, and storage, maintaining an impressive uptime of 99.95% and ensuring efficient platform operation

### Software Engineer, *Genpact*

12/2019 – 07/2021 | Chennai, India

- Developed a high-impact course management platform using advanced React techniques, integrating Node.js, Express.js, Docker, AWS Cloud Services, and Restful APIs for a comprehensive full-stack solution
- Led requirements analysis, integrating event calendars, donation forms, real-time updates, and email notifications, resulting in a 20% increase in user engagement, showcasing enhanced platform usability
- Integrated Node.js and Express.js with backend team, optimizing architecture, and leveraging Docker and AWS Cloud Services for scalable, high-performance infrastructure
- Implemented Restful APIs to facilitate smooth communication between frontend and backend components, ensuring efficient data transactions and a cohesive user experience
- Orchestrated knowledge-sharing sessions, focusing on Express middleware best practices, enhancing the team's proficiency in fortifying security measures and mitigating vulnerabilities
- Translated complex business requirements into scalable solutions, showcasing a commitment to delivering exceptional results and staying abreast of the latest technologies and best practices in software engineering

## RELEVANT PROJECTS

### PetOpia | [Link](#)

02/2023

- Developed a comprehensive pet health management web application using Node, ReactJS, and Firebase featuring medication tracking, vaccination records, and a vibrant community; it utilizes cron jobs, AWS, and Redis for a seamless user experience and cache management

### Places Around | [Link](#)

11/2022

- Built a dynamic React-based web application leveraging the FourSquare Places API and Apollo GraphQL server for real-time place searches. Redis caching enhances performance, while user interaction features like liking places and uploading location posts enrich the browsing experience

### Ticket Stop | [Link](#) | [Live](#)

09/2022

- Crafted a web application using Next.js and Material UI components by consuming the Ticketmaster Discovery API allowing its users to search, browse around, and book tickets for their favorite events, attractions, and venues

## TECHNICAL SKILLS

### Frontend

HTML5, CSS3, JavaScript, React.js, jQuery, Redux, Next.js, AJAX

### Database

MySQL, MongoDB, PostgreSQL, SQL Server, Oracle, Redis, Firebase, Cassandra

### Backend

Node.js, Express.js, Python, Django, Java, ASP.NET, Flask, MVC Framework, SOAP, RESTful APIs, Spring Boot, GraphQL, Maven, Microservices, Bash Script

### Tools and Technologies

Git, Visual Studio Code, Docker, AWS, Heroku, Microsoft Azure, Apache, Nginx, Swagger, Postman, Apache Kafka, GitHub Actions, GitLab CI/CD

## EDUCATION

### Master of Science, *Stevens Institute of Technology*

08/2021 – 05/2023 | Hoboken, USA

Computer Science | **GPA: 3.7**

### Bachelor of Technology, *Vellore Institute of Technology*

06/2016 – 05/2020 | Vellore, India

Computer Science and Engineering