

Harman Singh Manchanda (Harry)

Full Stack Engineer & Expert Frontend Developer

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SUMMARY

Web Developer & Software Engineer with **extensive work experience** delivering results-driven applications. Skilled in an array of front end and back end technologies, with focus in mobile-first responsive websites development, RESTful APIs, GraphQL APIs, react native mobile apps and cloud deployments.

KEY SKILLS

- **Frontend Web Development (React.js, Next.js, Vue)** • **Backend API Development (Node.js, Java Spring)** • **Mobile App Development (React Native)**
- **Full Stack Development** • **AWS Cloud Development** • **UI/UX Development** • **Responsive Web Design** • **Progressive Web Apps (PWA)**

TECHNICAL SKILLS

- **Programming:** JavaScript, TypeScript, React.js, HTML, CSS, SCSS, Redux, Next.js, Node.js, Express.js, Nest.js, React Native, Vue.js, Nuxt.js, GraphQL, REST API, JSON, YAML, Jest, jQuery, Prisma, Sequelize, TypeORM, Drizzle, Mongoose, Strapi, HyGraph, Java, Spring Boot, Kafka, Python, Ruby, etc
- **UI/UX:** Animate CSS, Bootstrap, Tailwind CSS, Foundation Framework, Bulma CSS, Ant Design, Chakra UI, Material UI, Styled Components, etc
- **Databases:** MySQL, PostgreSQL, MongoDB, MongoDB Atlas, Amazon DynamoDB, Redis, Amazon RDS/Aurora, etc
- **Git, DevOps & Cloud:** Git, Github, Bitbucket, Gitlab, Docker, Jenkins, Serverless, Amazon Web Services (AWS), Google Firebase, Digital Ocean, Vercel, CloudFormation, AWS Lambda, Amazon ECS, Amazon ECR, Fargate, CloudWatch, Amazon EC2, Amazon S3, Amazon VPC, Amazon SNS, AWS IAM, etc

QUALIFICATION: Education and Certifications

- **Master of Computer Applications (M.C.A), Computer Science** from **Amity University, Noida (Delhi-NCR), Uttar Pradesh, India**
- **Executive Post Graduate Programme in Software Development (Specialization: Cloud Computing)** from **IIIT Bangalore, India**
- **AWS Certified Developer - Associate** and **AWS Certified Cloud Practitioner** from **Amazon Web Services (AWS)**

PROFESSIONAL EXPERIENCES

Backend Engineer

Nov 2024 - Jan 2025

Insight Global, LLC (Payroll: Deel Inc.) - United States

International Work • Remote • India

Insight Global / Neiman Marcus Projects: Neiman Marcus (NM), Bergdorf Goodman (BG) and Horchow

- Upgraded multiple micro-services to latest stable runtimes by **orchestrating the provisioning and deployment** through Terraform-driven AWS infrastructure (utilising Amazon ECS, CloudFormation, Fargate, ECR, ALB, VPC, etc) to enhance consistency, scalability, and performance
- Played key role in upgradation of 300+ AWS Lambdas (Node.js, Python) to latest stable runtimes and **verified system health** via CloudWatch logs
- Contributed in **successful migration** of 50+ Java Lambdas from Amazon Linux 1 to Amazon Linux 2, enhancing stability and maintainability
- Streamlined CI/CD processes by migrating 10+ Traditional Jenkins pipelines to **EKS Helm Jenkins pipelines** enhancing pipeline efficiency and addressing compatibility guidelines for improved performance across multiple environments
- Facilitated project communication and updates with **cross-functional agile teams** during bi-weekly scrum sprints under microservices architecture utilising Atlassian Bitbucket, Jira Stories, Jira Board, and Microsoft Teams, leading to expedited collaboration and accelerated project completion

Full-Stack React Developer

Jun 2024 - Sep 2024

Insight Global, LLC (Payroll: Deel Inc.) - United States

International Work • Remote • India

Insight Global / Neiman Marcus Projects: Bergdorf Goodman (BG) Loyalty & Neiman Marcus (NM) PDP

- Achieved a remarkable more than 95% reduction in the **Cumulative Layout Shift (CLS) score** for Neiman Marcus Product Pages, enhancing user experience and web page stability significantly through CSS and JavaScript code optimisation techniques within the **Next.js, and React.js** codebase
- Developed multiple BG Landing Pages focused on responsive design and **call-to-action form submissions** to boost user engagement on web and mobile platforms, leveraging HTML, CSS, JavaScript, React, and Redux for improved user interaction and uplift in conversion rate optimisation metrics
- Enhanced user login security and efficiency by seamlessly incorporating with **existing Amplify & Cognito features** for authentication processes
- Created visually engaging web and mobile web interfaces using **Figma**, ensuring design and development consistency in an e-commerce environment
- Constructed BGO Incircle Mini Hub for the BG InCircle Loyalty Program across pages/sections of the Bergdorf Goodman website, including Homepage, product, listing, Cart, and Checkout, by using **React.js, Redux, Context API and SASS/SCSS** and facilitating API integration utilising **Node.js controllers**
- Ensured high reliability across all features through **rigorous testing and quality assurance**, such as Postman API tests, and visual frontend testing across diverse environments facilitated by Jenkins pipelines, leading to enhanced bug identification, and improved performance

Full Stack Software Developer - Web & Mobile Apps

Jun 2023 - Oct 2023

Antaa, Inc - Japan

International Work • Remote • India

Antaa Projects: *Antaa Slide and Antaa QA*

- Increased user engagement by 10% by incorporating intuitive features like **drag-and-drop file uploads**, profile enhancement, and social branding elements using HTML, CSS, Sass/SCSS (CSS preprocessor), Chakra UI, JavaScript, React, which led to enhanced user interaction experiences
- Utilised **JavaScript, TypeScript, Ruby on Rails, React.js, React Native, Next.js, Node.js, Prisma, MySQL** to customise medical profiles functionality
- Translated **design concepts using Figma** for responsive and visually appealing web and mobile interfaces, ensuring consistency across platforms
- Improved platform accessibility and utility, with a detail-oriented approach, by **refining how information is sorted** for Medical Healthcare Slides.
- Developed web applications using React.js, whereas developed iOS and Android applications using React Native, ensuring that the web and mobile applications were optimised for user experience **across different devices** while ensuring a scalable architecture with Prisma and MySQL
- Engaged in agile development methodologies, actively participating in regular sprint planning to ensure the ongoing delivery of high-quality features while maintaining **transparent and efficient communication** with the development team through Slack and Notion

Full Stack Web Developer

Aug 2021 - Jan 2023

VoicePing, Inc - Japan

International Work • Remote • India

VoicePing TravelDX Projects: *DOKO DEMO Doors & YouConnect Apps*

- Redesigned UI/UX to integrate **multi-lingual virtual travel e-commerce** functionality, social logins, user signup, event bookings using CSS, SASS/SCSS, Flexbox, JavaScript, TypeScript, Ant Design, React, Redux, Node.js, MySQL, Google Firebase & an array of Amazon Web Services (AWS) cloud services
- Engineered both API (BE) and UI/UX (FE, utilising Figma) for **homepage, advanced search, profile, bookings, payments** to enhance user engagement
- Led the development of payment & subscriptions processes leveraging Stripe (**Credit Cards, Debit Cards, Points, etc**) through API integration
- Resolved data consistency issues, identifying query bottlenecks, and **implementing advanced indexing strategies** with MySQL and Sequelize
- Enhanced user interaction on e-commerce app to enable live streaming, event creation, driving **increased user engagement and satisfaction**
- Established admin functionality with role-based and permission-based access control using Node.js, Express.js, MySQL and Sequelize focusing on granular access controls, data security, principle of least privilege, **streamlined content management**, and real-time data synchronisation
- Designed landing pages to showcase app features & enhance user engagement, while **integrating community feed** for increased user interaction
- Built a secure **two-factor OTP authentication service** using AWS services, including Amazon SNS, to enhance cloud-based functionality, ensuring scalable and reliable authentication processes along with secure data storage, JSON Web Tokens and notification systems for OTP functionality
- Enforced **Secure API Endpoints** utilising strict CORS policies, rate limiting, input validation to mitigate brute force or denial-of-service attacks
- Integrated real-time notifications and WebSocket communication into the e-commerce platform, for seamless **user interaction and engagement**
- Contributed to weekly sprints in an **agile/kanban methodology** to expedite project delivery, resulting in a significant reduction in project timelines

Research Collaborator - Frontend email newsletters

Feb 2020 - Mar 2021

ZenDev, LLC - United States

International Work • Remote • India

ZenDev Project: *Friday Frontend*

- Conducted **research** for weekly Friday Frontend email newsletters, supplied 100+ article links weekly, with 15+ chosen for publication every week

Note: This part-time research work was undertaken to fully dedicate myself on my goal to become a Full Stack Developer

Frontend Web Developer

Feb 2019 - Jan 2020

Virtual Tools Pty Ltd - Australia

International Work • Remote • India

Virtual Tools Projects: *Employer Management, Employee Management, and Time & Attendance Apps*

- Created user-friendly Web and Mobile PWA software with customisable dashboards, **role-based access control**, intuitive user experiences and data visualisation, improving employer and employee management as well as time and attendance needs while increasing app performance
- Developed visually engaging, responsive **web and mobile interfaces using Sketch**, ensuring seamless design-development alignment
- Amalgamated with PHP developers to **seamlessly integrate UI/UX with APIs**, for client satisfaction using JavaScript, TypeScript, Vue.js, Vue JSX (React)
- Effectively managed application state complexity using modern web development frameworks like Vue.js & Nuxt.js, in conjunction with state management libraries such as **Vuex**, leading to optimized application responsiveness resulting in reduced loading times
- Crafted **highly responsive & dynamic user interfaces** using web technologies like HTML5, CSS3, & SCSS, in conjunction with design systems such as Foundation Framework, Ant Design & Tailwind CSS, and bundling tools such as Babel, Webpack to elevate user experience in cross-functional projects

Frontend Web Developer

Oct 2017 - Feb 2019

ZenDev, LLC - United States

International Work • Remote • India

ZenDev Projects: *Get.It, Virtual Tools and Friday Frontend*

- Interfaced user-friendly web applications with a focus on **cross-device compatibility** using JavaScript, Vue.js, Nuxt.js, Vuex.
- Created user-interfaces and features for **responsive web applications** using HTML5, CSS3, SASS/SCSS, Foundation Framework & Tailwind CSS
- Implemented a **accessible, responsive and mobile-friendly** web design to ensure that the projects are accessible from a wide range of devices
- Interacted closely with multiple clients to drive project success, improve client satisfaction, and **align development with business objectives**
- Leveraged Vuex for state management in the application, while harnessing **Vue.js ecosystem tools** such as Vue Router to develop reusability

Marketing Executive - Frontend Web Development

May 2015 - Aug 2017

CL Educate Ltd - India

Employment • On-Site • Delhi, India

CL Educate Projects: *Career Launcher, LawEntrance & CL Educate*

- Developed high-converting 50+ **micro-sites and landing pages**, increasing leads generation, user engagements, and SEO rankings
- Revitalised UI/UX, optimised performance for all CL core sites and **e-commerce platform** through dynamic interactivity, functionality, upgrades, and implementing on-page SEO practices while collaborating cross-functionally with marketing, academics, content, and graphic designers
- Integrated Java/JSP with HTML, CSS, and JavaScript to enhance **feature integration efficiency** and ensure timely delivery across multiple projects.
- As a Web Developer, co-operated with the marketing team to develop and implement **successful marketing campaigns** to boost sales conversions
- Revamped the company's websites through responsive web design, website maintenance and frontend web development using HTML5, CSS, Bootstrap, JavaScript, jQuery, and Photoshop resulting in enhanced user engagement, **increased conversion rates**, and improved user experience

ACADEMIC PROJECT

Book My Consultation App - CAPSTONE Project

International Institute of Information Technology (IIIT) Bangalore, India

Doctor Appointment Backend App: Java & Spring Boot micro-service with cloud deployments on Amazon Web Services (AWS)

- Architected & deployed a **healthcare consultation platform**, comprising 9 microservices, including user management, payments, doctor registration, appointment scheduling, and a notification service (leveraging Apache Kafka and Amazon SES for real-time communication and email notifications)
- Utilized Docker Compose for **multi-container deployment** across Amazon EC2 instances, with comprehensive API testing using Postman whereas managed cloud infrastructure with VPCs, security groups, RDS, and S3 for secure data handling, and documented the whole deployment process
- Implemented secure authentication using JSON Web Tokens (JWTs) and managed API routing through a **custom-built API Gateway with Spring Cloud**