Hemant Kumar Singh

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EXPERIENCE:

Senior Web Engineer | **UI Architect** with 18+ years of experience building scalable, high-performance enterprise applications. Specialized in Angular, React, and full-stack JavaScript with deep expertise in responsive UI/UX, state management, and performance tuning. Proven leader in front-end architecture, team collaboration, and AI-driven user experiences.

- **Frontend:** Angular 20, React, TypeScript, JavaScript (ES6+), HTML5, CSS3, NgRx, Redux, Material UI, Bootstrap 5, Tailwind CSS, jQuery

- **Backend & Tools:** Node.js, MongoDB, RESTful APIs, Docker, Kubernetes, AWS, Azure, PHP, MySQL, Webpack, GIT

- **Architecture:** Micro Frontends, Modular Design, Performance Optimization, Component Libraries

- **AI/ML:** Cursor AI, Codium AI, AI-integrated UI Solutions

- **Dev & CI Tools:** Angular CLI, Gulp, Grunt, GitHub Actions, Azure DevOps

- **Design & Workflow:** Responsive Design, UX Collaboration, Figma, Agile/Scrum

PROJECT DETAILS:

UI Architect @ Kore.ai: Dec 2022 – Ongoing

Project	:	Search Assist, GALE
Technology	:	Angular 20, HTML 5, CSS 3, Bootstrap 5, Node JS, Mongo DB
Website	:	https://kore.ai

- Led Angular 20 upgrade and optimized load time from 12s to 1s, improving Lighthouse score to ~80.
- Designed scalable architecture for AI-powered bot platforms including GALE and Search Assist.
- Integrated AI tools (Cursor AI, Codium AI) and Bootstrap 5 theming for high-performing UI delivery.

UI Architect @ Globallogic: March 2021 – Dec 2022

Project	:	Mars Pet care, ARS, Accesscorp
Technology	:	Angular 12, NgRx, React, Redux, HTML5, CSS3, GIT,
Website	:	https://www.globallogic.com/

- Designed and implemented domain-level architecture across multiple Veterinary Practice Management Systems (PMS) for Mars Petcare.

- Introduced feature-based architecture for improved scalability and modular development.

- Developed and maintained responsive UI using Angular 12 and Angular Material.

- Implemented state management (Store design) across distributed domains.

- Managed code repositories and CI workflows using Azure DevOps.

PROJECT @ SS&C (DST):   March 2017– March 2021

Project	:	AWD
Technology	:	ES6, Angular 10, React, HTML5, CSS3, GIT
Website	:	https://www.ssctech.com/

- Designed and developed modular Angular (v7–10) applications for enterprise workflow automation.

- Built and maintained reusable UI components and implemented responsive layouts using Bootstrap 4 and Material Design.

- Led end-to-end UI/UX design from wireframes to interactions, ensuring adherence to style guides and accessibility standards.

- Collaborated with stakeholders to translate business requirements into intuitive interfaces and information architecture.

- Developed internal React-based portal for streamlined user workflows.

- Managed source control using GitHub and AWS CodeCommit.

Member of Technical Staff @ Oracle: March 2017– April 2019

Project	:	Log Analytics (Oracle Management Cloud)
Technology	:	JS, Angular, HTML5, CSS3, jQuery, Node JS, Webpack, Gulp, GIT, Knockout JS, Oracle JET
Website	:	http://www.oracle.com

- Architected modular, responsive web applications using Angular, Bootstrap 4, and Oracle JET for log analytics workflows.

- Designed and implemented UI components to visualize large-scale log data meaningfully.

- Consumed RESTful APIs and optimized front-end performance for complex data views.

- Created prototypes and wireframes to evaluate multiple design directions.

- Improved application workflows by developing scalable UI architecture and navigation models.

- Conducted usability reviews and proposed UX enhancements for better user interaction.

- Managed build pipelines using Gulp, Gradle, and Git for streamlined delivery.

- Identified and resolved architectural challenges, improving system maintainability and user experience.

UI Consultant @ Microsoft: July 2015 – Feb 2017

Project   :   Simplify, Virtuoso Worldwide, SDM Plus, GTI
Technology   :   JAVASCRIPT, Angular JS, HTML5, CSS3, Node JS, Mongo DB, Gulp,
                    Knockout JS, TFS, GIT
Website   :   http://www.microsoft.com

- Designed and implemented application architecture for multi-page and SPA projects using AngularJS 1.5 and KnockoutJS.

- Built responsive interfaces with Bootstrap 3/4 and optimized front-end performance using Gulp and lazy loading techniques.

- Integrated REST APIs using AngularJS services and ensured seamless client-server communication.

- Streamlined build and deployment processes with GULP and version control using Git/TFS.

- Contributed to .NET-based applications by enhancing UI efficiency, modularity, and maintainability.

Project @ Tech Mahindra: April 2014 – July 2015

Project   :   CGPS@Morgan Stanley
Technology   :   JAVASCRIPT, Angular JS, HTML5, CSS3, Node JS,
                        Mongo DB, D3 JS, GRUNT
Website   :   http://www.morganstanley.com

- Led front-end architecture and development of a MEAN stack-based Single Page Application for investment strategy management.

- Implemented responsive design using Bootstrap 3 and optimized UI performance through lazy loading and code splitting.

- Integrated RESTful APIs using AngularJS services for dynamic, data-driven views.

- Improved build efficiency and deployment using GRUNT and Git for version control.

- Contributed to visual data representation using D3.js for complex financial charts.

Project Lead @ Tech Mahindra: Mar 2012 – Jun 2014

Project   :   iTranslate UI enhancement@Apple
Technology   :   JAVASCRIPT, JQUERY, Angular JS, HTML5, CSS3
Website   :   http://www.apple.com

- Led UI enhancements for Apple's iTranslate web application, enabling real-time multilingual translation features.

- Architected and developed reusable UI modules using AngularJS, JavaScript, and jQuery.

- Integrated JSON-based APIs to support dynamic language switching and translations.

- Focused on performance optimization, code organization, and responsive layout improvements.

- Oversaw deployment, testing, and long-term maintenance of the translation platform.

Project @ Encora Inc: September 2010 – March 2012

Project   :   Demand Generation@Amazon
Technology   :   JAVASCRIPT, XML, JSON, JQUERY, AJAX, HTML CSS
Website   :   http://www.amazonservices.com/, http://www.amazonservices.jp/

- Developed and maintained UI for Amazon's e-commerce business tools across global domains.

- Implemented dynamic, responsive pages using JavaScript, jQuery, AJAX, and HTML/CSS.

- Delivered SEO-friendly web interfaces to improve discoverability and performance.

- Collaborated with stakeholders for code updates, testing, and ongoing maintenance across live environments.

Software Engineer @ Magna Infotech   December 2009 – August 2010

Project   :   NAFTA (Automotive Aftermarket)@Robert Bosch
Technology   :   JAVASCRIPT, XML,JSON,JQUERY,AJAX,HTML,CSS,PHP
Tool & Library   :   MKS, Mercury Quality Center, VIN Calculator,
                                 BDX Suite, KTS(Vehicle Tester) notepad++

- Developed and maintained diagnostic web applications for electronically managed vehicle systems (e.g., Airbags, ABS, Fuel Cell, Navigation).

- Designed scripts for vehicle identification, error memory reading/erasing, actuator control, and self-tests using JavaScript, PHP, and XML.

- Participated in ECU system testing, lab simulations, and SD software validation.

- Utilized tools like MKS, Mercury Quality Center, and BDX Suite for testing and development workflows.

Project @ ISource Worldwide :   July 2009 – December 2010

Project   :   Printsites (E-Commerce)
Technology   :   JAVASCRIPT, JSON, JQUERY, AJAX, HTML, CSS,PHP
Tool & Library   :   Dreamweaver, GOOGLE AJAX API, JQUERY, notepad++

- Designed and developed e-commerce web solutions tailored for the printing industry using PHP, MySQL, JavaScript, and jQuery.

- Built key features including multi-user chat, web-based email, and a ticketing tool for helpdesk support.

- Developed dynamic web pages with content management, session control, SSL handling, and MVC structure.

- Created and tested prototypes for cross-browser compatibility and user interactions.

- Managed server-side operations including deployments, password authentication, and database queries.

- Contributed to SEO optimization and maintained technical documentation for ongoing platform improvements.

Project @ Globals Inc :   Jan 2009- July 2009

Project   :   JADOOS (WEB SITE REMOTE CONTROLLER)
Technology   :   JAVASCRIPT, JQUERY, YUI, AJAX, PHP, MYSQL, JSP
Tool & Library   :   Dreamweaver, GOOGLE AJAX API, notepad++

- Developed web-based tools like Rating, Bookmark, Translator, and Password Manager using JavaScript, jQuery, PHP, and MySQL.

- Built interactive applications enabling unified chat, translation, and remote content access using YUI and Google AJAX API.

- Designed custom JavaScript libraries to support dynamic widgets (e.g., hCard, media embeds, calendars) across external sites.

- Integrated cross-domain communication via iframe and optimized client-server data exchange using AJAX and JSON.

Project @ Systel Info Solutions :   June 2007 - Jan 2009

Project   :   Nano PBX (VOIP), ATA GUI Enhancement
Technology   :   PERL, SHELL SCRIPT, PHP, JAVASCRIPT, XML, MYSQL
Tool & Library   :   Dreamweaver, AJAX API, JQUERY, notepad++

- Developed VOIP-based Nano PBX application to manage call handling, forwarding, conferencing, and DND features.

- Built GUI components using PHP, JavaScript, and XML to support multi-line telephony.

- Wrote shell and Perl scripts to support backend logic and automate system-level tasks on Linux.

- Implemented client/server-side validations and maintained feature enhancements for improved user experience.

EDUCATION:

B.Tech. (Computer Science Engineering) | UPTU | 2007 | 70.64%
B.Sc (Physics, Chemistry, Mathematics) | Avadh University | 2003 | 73.65%
Intermediate (Physics, Chemistry, Mathematics) | UP Board | 1998 | 70.20%
High School (Physics, Chemistry, Mathematics) | UP Board | 1996 | 72.83%