

Jasneet Singh

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Technical Skills

Languages: HTML/CSS | JavaScript ES6+ | TypeScript | Python | Java

Frameworks: Angular | Redux | Spring | React | FastAPI

Database Technologies: MySQL | PostgreSQL | MongoDB

Testing/Deployment: AWS | Firebase | Docker

Certifications: AWS Certified Cloud Practitioner | ITIL Foundations v4 | CompTIA Project + | Google IT Support

Professional Experience

Full Stack Developer - Contract | HTML/CSS | Typescript | Java | MySQL | Angular | Spring | Docker | AWS July 2022 – Present
Evans Digital Design, Calgary

- Engaged with clients to understand their business needs and preferences, developing new, and existing full stack web application features.
- Performed in-depth SEO analysis and identified local SEO as an area for improvement; optimization of Google Business Profile improved organic interactions by 73% over one month.
- Increased unit test coverage from ~60% to 80%, ensuring software quality and reducing bugs.
- Designed and developed RESTful APIs, reducing API response times to under 60ms by optimizing database queries, enhancing system performance.
- Created, and integrated email templates using MailChimp for automatic client notifications resulting in increased customer satisfaction with platform usage by up to 20%.
- Designed and established a dedicated database for Cypress testing, and seeded with mock data resulting in enhanced test reliability and accelerated validation of new feature requests.
- Implemented Square API checkout integration for e-commerce sections, resulting in a substantial boost in business sales, averaging a 07-10% increase.
- Implemented Cypress E2E automated testing framework, further improving software reliability and reducing bugs.
- Deployed microservices with Docker to AWS EC2 & RDS to reduce load times, and apply system scalability when necessary.

Projects

AI Chatbot | [GitHub](#) | [Link](#) | Python | Bootstrap | FastAPI | AWS

- Designed a full stack chatbot application leveraging OpenAI's language model API and DALL-E for image generation.
- Deployed the application using AWS Lambda, leveraging AWS Lambda's integration with API Gateway to establish encrypted connections, safeguarding sensitive user interactions and data exchanges from potential security threats.
- Implemented feedback loops and reinforcement learning mechanisms to continuously enhance the chatbot's conversational abilities and adapt to evolving user needs.

Netflix Clone | [GitHub](#) | HTML/CSS | Typescript | Tailwind CSS | Angular

- Developed a fully responsive movie app with Google Sign-in Authentication, enhancing user security and convenience by enabling seamless authentication process.

Traveler App | [GitHub](#) | Java | Room

- Developed a mobile application aimed at enhancing vacation and excursion management.
- Utilized Room Persistence Library for seamless local database management, ensuring data persistence and reliability.

Landon Hotel | [GitHub](#) | HTML/CSS | Java | Typescript | MySQL | Spring Boot | Angular | Docker

- Leveraged Java's multithreading capabilities to optimize performance and responsiveness, ensuring seamless operation even under heavy loads.

Education

Bachelor of Science in Software Engineering

Western Governors University

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