Humble Chaudhry

Full-Stack Software Developer

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PROFESSIONAL EXPERIENCE

Software Developer   July 2023 – present
GT Motor Sports (Car Dealership)

- Designed a financing web platform using Next.js, AWS Amplify, AWS Sandbox, Cognito, and DynamoDB, streamlining loan pre-approvals and customer onboarding, shortening the approval cycle by **30%**, and enhancing user experience.
- Built an AI-powered mobile app using Expo, React Native, Node.js, Supabase, and Vercel, integrating Model Context Protocol (MCP) and serverless functions to enable dynamic, real-time client communication, cutting response times by **40%** and enhancing engagement through scalable AI workflows.
- Implemented a new CRM application using React, Node.js, Express, and PostgreSQL, allowing employees to add notes on clients, create tasks, receive meeting reminders, and use other dealership features, which helped boost internal sales productivity by **30%**.
- Refined the existing PHP CRM workflow by applying Python and SQL databases in the Bill of Sale process, resulting in an increase of **35%** in data processing efficiency.
- Utilized Jest to design extensive test procedures for full-stack applications by addressing bug-related issues selectively, minimizing the application's downtime, and enhancing performance by **20%**.
- Spearheaded a confidential project with applications involving Python-scripted applications and AWS EC2, which accelerated revenue collection and reduced process delays by **25%**, supporting operational effectiveness.
- Launched full-stack, business-oriented, e-commerce websites based on React, Node.js, and Express, which brought a **15%** enhancement in leads and clients' interactions due to a user-friendly interface combined with the operational efficiency of the back end.
- Optimized website SEO by optimizing site structure, meta tags, and content, improving search engine rankings, and increasing web traffic by **20%**.
- Collaborated with the marketing team to administer data-driven strategies that drove a **15%** increase in market visibility and customer acquisition through targeted, informed campaigns.

Software Developer   July 2022 – May 2023
TransAlta

- Developed GenOS, an advanced analytics web application for renewable energy metrics, enhancing real-time feedback and providing key insights for business-critical functions using React, JavaScript, jQuery, Node.js, SQL, Jest, and GraphQL.
- Executed backend transformation with GraphQL and MySQL, by creating queries and server-database connections, increasing data efficiency, and application consistency by **15%**.
- Deployed comprehensive unit testing with Jest, achieving over **50%** code coverage which enhanced the system stability by decreasing the number of bugs detected in production and creating test cases.
- Engineered React components for data visualization, reducing report generation times by **35%**, leading to quicker extraction of key renewable energy data for stakeholders.
- Integrated APIs for third parties, thus enabling advanced application usability by **20%**, leading to greater customer satisfaction and engagement.

Intern, IT Service Management   June 2021 – July 2022
TransAlta

- Coordinated with other departments to collect business requirements and produce functionalities in JavaScript in ServiceNow, thereby minimizing workloads by **20%** and minimizing human errors.
- Revamped CMDB (Configuration Management Database) by organizing data more effectively, strengthening system performance by **30%**, which allowed the IT team to identify and solve problems in a shorter time.
- Established feedback loops and automated routine tasks like ticket handling, revamping system reliability by **25%**, which led to expedited response times and higher user satisfaction.

PROJECTS

MasterMind 🔗

- Collaborated with a team to create a web application game with real-time chat functionality and saved progression features, enabling seamless multiplayer interaction.
- Constructed front end using Angular.js, Typescript, and Node.js, enhancing UI responsiveness by **15%**.
- Led the development of the real-time chat system using Socket.io 🔗, improving team collaboration during gameplay by **10%**.

EDUCATION

University of Calgary   2017 – 2022
Bachelor of Science in Computer Science

SKILLS

- **Languages:** Python, JavaScript, TypeScript, Java, C++
- **Web Technologies:** HTML, CSS, Next.js, React.js, Node.js, Express.js, Angular.js
- **Database Management:** mySQL, MongoDB, Supabase, database optimization
- **Tools & Platforms:** Git, Bash, Docker, Microsoft Azure, Google Cloud Platform, AWS, Amplify, EC2, IAM, Sandbox, DynamoDB, Cognito, SCRUM, Agile methodologies
- **APIs:** RESTful, GraphQL
- **Software Testing and DevOps:** Jest, unit testing, CI/CD pipelines