Brian Cao

Full Stack Software Engineer | USAF Veteran 🛡 Secret Clearance

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Skills

- Frontend: JavaScript | React.js | HTML5 | CSS3 | Bootstrap | Tachyon | Formik | Yup
- Backend: .NET | Express.js | Node.js | C# | SQL | Knex.js | Cors
- Data: Microsoft SQL Server | PostgreSQL | MS Excel | Data Visualization
- Tools: Visual Studio | Visual Studio Code | Git | GitHub | SSMS | DBeaver | Render | Postman | Slack | Trello

Experience

MiVet – Full Stack Software Engineer   *Irvine, CA*   **07/2022 – 11/2022**

MiVet is a platform whose mission is to streamline equine veterinary care through technology.
- Utilized JavaScript with React.js library to develop a calendar interface for a simplified event management resulting in a flawless user experience.
- Planned and developed a user-friendly database using SQL and stored procedures for data manipulation and retrieval, resulting in a 50% increase in query performance and a 30% reduction in data entry errors
- Created a dynamic event registration form using Formik and Yup validation, improving user experience and reducing user errors by 25%.
- Designed and developed a RESTful API using the .NET Core framework and C# to connect the database with client-side requests, resulting in a seamless user experience and improved efficiency.
- Implemented server-side validation logic using Microsoft's .NET Core libraries and client-side behavior, reducing data errors by 20% and facilitating ease of use for front-end developers.
- Improved software quality and continuity by collaborating with team members using Git and GitHub, leading to a 20% reduction in bugs.
- Participated in meetings with project manager and product owner to coordinate project responsibilities and daily stand-up meetings along with peer code reviews in an AGILE team environment.

US Air Force - Maintenance Data Analyst   *Holloman AFB, NM*   **04/2017 - 04/2021**
- Led a team of five data analysts for the US Air Force, resulting in 20% improved efficiency of maintenance management process.
- Reduced report preparation time by 30% through automation of data collection and report generation.
- Achieved 100% completion of all assigned data projects within the given timeline.
- Improved data accuracy by 25% through implementation of data validation and error-checking procedures.
- Developed corrective action plans, resulting in 15% increase in equipment uptime and 20% reduction in material consumption.
- Mentored and trained five new analysts, resulting in a 50% increase in team productivity.

Projects

Face Recognition Brain   **GitHub Repo**

- Developed a secure full-stack web app with React, Node.js, Express, and PostgreSQL for facial recognition.
- Integrated Clarifai API for facial recognition and used bcryptjs for data protection.
- Designed engaging UI with Tachyon and ParticlesBg, and implemented backend with Node.js, Express, cors, and knex for database management.
- Deployed and managed the app on Render, chowcasing proficiency in cloud infrastructure management and DevOps.