ARJAN VELOVIC

✉arjan.velovic@gmail.com 📞(347) 935-2092 📍New York, NY ⌗GitHub in LinkedIn

SUMMARY

Ambitious software engineer with five years of aerospace experience, driven by a passion for growth and learning. Expertise in full-stack development, specializing in Python, JavaScript, React, Flask and SQL for robust and scalable web applications. Eager to apply engineering expertise and coding skills to contribute effectively to the software development arena.

SKILLS

Languages: Python, JavaScript, Typescript, C++, SQL, HTML/CSS, MATLAB
Frameworks/Databases: React, Flask, Django, PostgreSQL, SQLite, MySQL, MongoDB
Tools: GitHub, Bootstrap, TailwindCSS, Render, Netlify, AWS, Firebase

PROJECTS

Specialized Website
- Utilizes a React TypeScript frontend and a Flask Python backend along with a PostgreSQL database.
- Managing user operations, authentication, cart functionalities, error handling, and secure payments.
- Ensuring performance and security, the website delivers a seamless shopping experience, demonstrating proficiency in modern web development technologies.
  Live Demo   GitHub

Bidding Bazzar
- An auction web app powered by Flask, leveraging Python's capabilities for robust user interaction.
- Users can create accounts, list items, place bids, add watchlists and manage their profiles seamlessly.
- Behind the scenes, Flask handles authentication, session management, and database integration, ensuring a smooth user experience.
  Live Demo   GitHub

PROFESSIONAL EXPERIENCE

Software Engineer Trainee, Coding Temple   Oct 2023 – Present
- Acquired a comprehensive understanding and adeptness in web development utilizing a diverse tech stack including Python, React, JavaScript, Flask, SQL, C++, Django, TypeScript, HTML/CSS, and more.
- Design and build responsive web applications with an emphasis on performance, scalability, and high reliability.
- Build back-end applications and RESTful APIs, utilizing Flask, Django, and Express.js to handle data requests.

Design Engineer, Lockheed Martin Sikorsky   Nov 2020 – Present
- End-to-end design processes for diverse products and assemblies, including drafting, dimensioning, tolerancing, prototyping and result documentation.
- Generate, review, and approve the technical content of controlled drawings, maintenance manuals, reports, and other mechanical design documents.
- Ensuring alignment of new products with program requirements through effective vendor collaboration and supervision of the products integration within the program's supply chain.
- Collaborating within multi-disciplinary teams to resolve issues, fostering efficient problem-solving.

Mechanical Engineer Asc, Lockheed Martin Skunkworks   Jul 2019 – Oct 2020
- Designed layout structures for pivotal mechanical system components using 3DX CAD.
- Developed detailed designs of mechanical structures adhering to structural and aerodynamic guidelines.
- Analyzed NASTRAN stress reports to redesign critical components for load requirement compliance.
- Prepared statements of work (SOWs), bills of material (BOMs), supplier document requirement lists (SDRLs), and other essential supplier contract management documentation.
- Coordinated vehicle system schedules to ensure an optimized engineering, procurement, and manufacturing workflow using MS Project.

EDUCATION

Full-Stack Software Engineer Bootcamp, Coding Temple   March 2024

MS in Mechanical Engineering, Georgia Institute of Technology   Summer 2022
Highest Honors

BS in Mechanical Engineering, The City College of New York   Fall 2018
Cum Laude Honors, Minor in Mathematics