# Steven Sousa

*Software Engineer*

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## Summary

Quality obsessed software engineer with experience in full-stack web application development and business intelligence solutions. Proficient in Python, JavaScript, Postgres, Node.js, Express, React, AWS, and Power BI. Highly organized with strong collaboration and analytical skills, delivering reliable, high-quality solutions in fast-paced settings. Committed to fostering a supportive, friendly team environment with a meticulous attention to detail and the ability to work independently.

## Education

**Bridgewater State University** – Bachelor of Science in Computer Science                                May 2025
**Cape Cod Community College** – Associates of Arts in Computer Science                                Dec 2022

## Experience

**Business Intelligence Developer,** Tech Etch Inc. – Plymouth, MA                     Aug 2022 – Present
- Developed a Power BI visibility report, through collaboration with stakeholders, contributing to a yearly $3.4M revenue increase through early job delivery.
- Created a Power BI report performing ETL and data analysis of key metrics of every internal part number, identifying over 147 part numbers for optimization to enhance profitability.
- Constructed a Power BI report that analyzes employee pay codes usage and created metrics such as Utilization, Absorption, Overtime percentage, enabling leadership to better understand how their departments are operating.
- Built a responsive webpage consolidating deployed Power BI reports into a single hub, overcoming Microsoft's default portal limitations, streamlining report discovery, data accessibility, and better user experience.
- Automated a critical daily reporting process using Power BI, saving approximately 31 hours of manual effort annually.
- Collaborated with operations and executive teams, leveraging analytical skills in data processing and data analytics to research and troubleshoot business needs, delivering organized, data-driven solutions in Power BI.

## Projects

**Resume Builder**                                                              resumebuilder.stevensousa.com
- Developed a scalable full-stack AI-powered web application using Django and Supabase, parsing 2169 job postings into the database via scripting, enabling users to generate resumes or cover letters through Google Gemini API.
- Utilized GitHub Actions, Docker, AWS ECR and EC2 to enable a CI/CD pipeline with minimal downtime and low-latency.

**YelpCamp!**                                                                        yelpcamp.stevensousa.com
- Built a full-stack campground web application using Node.js, Express, and MongoDB, designed to support 1000+ campgrounds locally
- Implemented secure user authentication, cloud image hosting, and MapBox API for global and local map views.

**Soccer**                                                                             soccer.stevensousa.com
- Constructed a full-stack sports web application, delivering real-time standings, schedules, and news for 7 tournaments, by integrating Node.js, Express.js, ESPN APIs and GCP Cloud SQL.
- Implemented user login, enabling dynamic tournament and team selection, by integrating Passport.

**Clash of Clans Dashboards**                                                                      (In Progress)
- Developing a full-stack Clash of Clans management web application, delivering real-time game information and account creation, by integrating Next.js server-side, React, Tailwind CSS, SQLite 3, and Clash of Clans API.

**ClashKingBot (GitHub Open-Source Project)**                                                       (In Progress)
- Contributing to an open-source Clash of Clans Discord bot with 3 issues resolved pending pull request acceptance

## Skills

**Languages:** JavaScript, Python, SQL, HTML5, CSS, Java, C, TypeScript and C# (Basic Exposure)
**Frameworks and Libraries:** React, Node.js, Express, Django, Next.js, Bootstrap, Tailwind CSS
**Databases:** PostgreSQL, MySQL, MongoDB
**DevOps and Cloud:** Docker, GitHub Actions, AWS, Supabase, CI/CD pipelines
**Tools and Technologies:** Git, APIs, Agile, Scrum, Jira, Microsoft Office, Power BI