

# Sam DeMuth

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## PROFESSIONAL SUMMARY

U.S. Navy Veteran with 9 years of service and 2+ years of software engineering experience. Skilled in JavaScript, .NET, React.js, Power Platform, SQL, and Python, with strong background in developing web applications, RESTful APIs, and automating workflows. 8+ years of customer service and management skills, complemented by strong leadership from military experience. Experienced in Agile/Scrum environments, CI/CD pipelines, and tools like Git, Atlassian toolset, Docker, and Google Cloud Platform. Recognized for team training, high standards, and delivering results under pressure. Ability to obtain Secret clearance and **willing to relocate**.

## EDUCATION

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|--|-------------------------------------|
| <b>Oregon State University</b><br><i>Bachelor of Science in Computer Science</i> | Corvallis, OR<br><i>June 2024</i>   |
| <b>American Public University</b><br><i>Bachelor of Business Administration</i>  | Charles Town, WV<br><i>May 2019</i> |

## TECHNICAL SKILLS

**Languages:** JavaScript, Python, HTML, CSS, C#, TypeScript, SQL (MariaDB), NoSQL (MongoDB)  
**Technologies:** React, Node.js, Flask, Express, REST API, Power Platform, Google Cloud Platform  
**Developer Tools:** Git, GitHub, Docker, VS Code, Postman, Vite, Jira, Confluence, Bitbucket

## EXPERIENCE

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|---|---|
| <b>Software Engineer Intern</b><br><i>Daimler Truck Financial Services</i>  | June 2023 – September 2023<br><i>Farmington Hills, MI</i> |
| <ul style="list-style-type: none"><li>Developed 6 JavaScript and Microsoft Power Apps applications for forms and back-end workflows.</li><li>Automated tasks and data integration by configuring Power Automate to process JSON payloads.</li><li>Improved app navigation using Power Fx formulas for dynamic user flow management.</li><li>Managed the migration of 92 department sites to SharePoint Online.</li><li>Created documentation and trained 50+ site owners on content management and security.</li></ul>  |   |
| <b>Full Stack Engineer Intern</b><br><i>SEI Investments Company</i>   | June 2022 – August 2022<br><i>Oaks, PA</i>                |
| <ul style="list-style-type: none"><li>Developed RESTful API endpoints using .NET within an MVC architecture.</li><li>Built cross-device user interfaces with JavaScript and React.js.</li><li>Engaged in 15+ pair programming sessions in C# and .NET to enhance code quality.</li><li>Managed task, documentation, and code reviews using Atlassian toolset.</li><li>Demonstrated a deep understanding of Agile Methodology, actively participating in daily stand-ups, sprint planning, and retrospectives.</li></ul> |   |
| <b>Operations Specialist</b><br><i>United States Navy</i>   | June 2015 – March 2022<br><i>Norfolk, VA</i>              |
| <ul style="list-style-type: none"><li>Trained 26 personnel in Air Detection, Communication Data Link Systems, and Anti-Submarine Warfare.</li><li>Led a team of 3 as the primary Communication Data Link Systems operator, ensuring network availability for 65+ missions.</li><li>Led Command Assessment Team for 250 reservists, addressing concerns related to command policies and equal opportunity.</li><li>Command career counselor for unit of 20+ personnel, offering clear guidance and assistance.</li></ul> |   |

## PROJECTS

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### **Trivia Forge** | [trivia-forge.onrender.com](https://trivia-forge.onrender.com)

June 2024

- Built a web-based trivia generator using the ChatGPT API, enabling CRUD operations for custom games with Flask (Python) and Supabase (relational database).
- Managed global state with Zustand and integrated Axios for seamless React frontend-backend communication.
- Modularized backend routes using Flask blueprints, enhancing the maintainability of the codebase.
- Automated testing, linting, and deployment with CI/CD pipelines using GitHub Actions.

### **Tarpaulin Course Management Tool** | [a6-course-management-tool.uc.r.appspot.com/](https://a6-course-management-tool.uc.r.appspot.com/)

June 2024

- Developed and deployed a complete RESTful API with 13 endpoints using Python, Flask, Google App Engine, and Datastore.
- Integrated Google Cloud Storage for user avatar management and ensured secure operations with JWT authorization.
- Endpoints include user authentication with Auth0, course management, and student enrollment.

### **ReviewMate REST API** | [github.com/demuthsa/ReviewMate-REST-API](https://github.com/demuthsa/ReviewMate-REST-API)

April 2024

- Designed and implemented a RESTful API with 11 endpoints for a business and review platform, supporting full CRUD operations and MySQL for data storage.
- Containerized the application using Docker and deployed using a virtual machine created with Google Compute Engine.
- Thoroughly tested the API using Postman collections and automated tests with Newman, validating API functionality.

### **Employee Management System** | [github.com/demuthsa/EmployeeManagementSystem](https://github.com/demuthsa/EmployeeManagementSystem)

December 2023

- Developed a React frontend and a modular Node.js/Express backend with SQL, using Vite and Axios for efficient CRUD operations.
- Optimized hospital staffing and scheduling workflows with advanced SQL features like CASCADE operations and constraints.
- Implemented form validation, error handling, and real-time updates using React, Vite, and day.js.