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KATE SOLIVEN

WEBSITE, PORTFOLIO, PROFILES

- https://katedevdc.com/

PROFESSIONAL SUMMARY

Organized and dependable candidate successful at managing multiple priorities with a positive attitude. Willingness to take on added responsibilities to meet team goals.

SKILLS

- Frontend skills: Angular, AngularJS, Bootstrap, CSS, FluentUI, HTML, Javascript, jQuery, Leaflet, React, SharePoint, SharePoint Framework (SPFx), SASS, SCSS, Typescript

- Database skills: PostgreSQL, SQL, SQL Lite, SQL Server 2019, Object Relational Mapping (ORM), and EF Core

- Data search and Analytics: ElasticSearch and Kibana (observability, indexing, and templating)

- Project Management: JIRA, Trello

- Backend skills: FastAPI, .NET MVC/MVVM, C#, NEST, LINQ, NestJS, Python, Python scripting, and RabbitMQ data ingest, SharePoint API (JSON), SQLAlchemy

- DevOps: GitHub, ElasticSearch observability, Azure Dev Ops, OpenShift, Jenkins, Docker, and AWS (migrating data from SQL to S3 buckets).

- Unit Testing: Jasmine, Jest, Pytest, and Xunit

WORK HISTORY

STAFF ENGINEER - FULL STACK ENGINEER 09/2022 to Current
Booz Allen Hamilton, McLean, VA
Internal Project - Full Stack & Machine Learning Integrated Applications

- Developed frontend features using Angular, TypeScript, HTML, SASS, and Leaflet, supporting complex, data-driven user interfaces.
- Built and maintained backend services using Python (FastAPI) and NestJS, integrating relational data with PostgreSQL.
- Integrated machine learning inference services into web applications using API-based workflows.
- Optimized backend request handling and frontend rendering to improve overall system responsiveness.
- Implemented automated unit testing using Jest and Jasmine for frontend components and Pytest for backend services.
- Supported containerized development and deployment using Docker and GitLab, with application configuration managed via Nginx.

United States Space Force (USSF)

- Developed a User Interface (UI) for USSF to track meeting requests for Headquarters in AngularJS.
- Developed custom web parts for internal documents tracking by coding in Typescript, React, and FluentUI leveraging the SharePoint Framework (SPFx) ecosystem.
- Tracked work items via Trello
- Debugged code via SharePoint Workbench
- Deployed web parts to USSF Tenant using Microsoft 365 Content Delivery Network (CDN)
- Managed SharePoint permissions for sites and sub sites for clients and team mailbox requests.
- Presented Community of Practice topics for HQSF staff.

National Aeronautics and Space Administration (NASA)

- Modernized legacy applications from AngularJS to Angular or React in an Agile process (1 month sprints)
- Debugged via Chrome Dev Tools and using VS Code as IDE
- Troubleshoot and fix bugs within code
- Created Angular service based on SharePoint API calls (JSON)
- Manipulated JSON data to feed into the SharePoint UI
- Utilized SharePoint API calls for specific permissions depending on user access (administrative tasks)
- Created an Admin console for the user to manage specific sites and subsites within SharePoint
- Helped manage groups, lists, and libraries for the admin
- Developed reusable Angular components for the SharePoint UI
- Leveraged the Kendo UI Library for Excel data exports
- Used GitHub for source code control and linking work items back to JIRA
- Used Jira for work item management and breakdown
- Participated in Daily Scrum, Sprint planning and retrospectives

FULL STACK SOFTWARE DEVELOPER 02/2020 to 08/2022
Zekiah Technologies, Fredericksburg, VA

- Developing an application using an Angular frontend and a .NET backend in an Agile process
- Reviewed code, debugged problems and corrected issues
- Using Swagger to generate Restful API routes
- Establish connections between multiple datasets in SQL Server 2019
- Using Entity Framework Core (EF Core) for Object Relational Mapping
- Using Azure DevOps and Git for Source Code control
- Using RabbitMQ for Data Ingest services
- Migrating data to S3 Object storage
- Developed unit test cases in Jest and Xunit for testing and automation
- Leveraging Data Search and Analytics using ElasticSearch and Kibana (for observability, indexing, and template searches)
- Utilizing Cloud Computing Software with AWS and OpenShift
- Participated in requirements gathering to solidify prerequisites and determine best technical solution to meet business needs via Sprint Flips and Program Increment planning (PI)

RESIDENT DEVELOPER 05/2019 to 08/2019
Coding Dojo, Arlington, VA

- Developed and deployed web apps from back-end to the front-end
- Engineered RESTful routes, CRUD operations (using Model View Controller), and API integration
- Established connections between multiple datasets in SQL and NoSQL (MongoDB)
- Deployed web applications using Ubuntu, NGINX, and Amazon Web Services using security protocols (PEM)
- Used GitHub for source code control
- Tested web applications repeatedly for vulnerabilities (i.e., JavaScript analyzer, SQL Injection) using Grabber and/or free open-sourced programs

EDUCATION

Georgia Institute of Technology, Atlanta, GA
Master of Science, Applied Systems Engineering , Expected in 08/2026
- Masters of Science in Applied Systems Engineering
- Applied graduate program focused on systems engineering fundamentals including requirements development, trade studies, modeling and simulation, and optimization under constraints, with coursework emphasizing practical application to real-world engineering problems.
- Current GPA: 4.0

Coding Dojo, Arlington, VA
Certificate, Angular, C#, Python, HTML, And CSS, 08/2019
- A 14-week bootcamp to become a full stack developer
- Learned multiple technologies such as: HTML, CSS, JavaScript, Angular, Node.js, MongoDB, C#, SQL, SQLite, Razor, Python, Flask, Django, jQuery, and AJAX.
- Triple Black Belt in Python, C#, and MEAN

George Mason University, Fairfax, VA
Bachelor of Science, Management Information Systems, 05/2008
- Bachelor of Science in Decision Science and Management Information Systems with a minor in Information Technology.
- Completed 120 credit hours.
- Learned system engineering, system design using, system analysis, web design, network security, network analysis, and project management methodologies.
- Graduated Cum-laude

CERTIFICATIONS

- AWS Cloud Practitioner - August 2022 - Present
- Comptia Security+ - January 2021 - Present