Dagm Zerfu
Software Engineer || Full-Stack Developer

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Qualifications Profile

Dynamic and innovative professional with a sharp technical acumen, passion for software development, solid educational background, and project-based relevant experience, poised to leverage keen programming expertise within an Agile environment.

- Familiar with the entire software development process from design and development to testing and deployment. Well-schooled in translating UX concepts into code, developing new user features, and participating in code reviews. Ability to craft code for various software functions, test the functionality of web applications, and tweak the code to perfection.

- Knowledge of programming algorithms, design patterns, data structures, and object oriented software designs. Passionate to condense large amounts of data into short stories, create websites from the ground up, and build web apps with several APIs, third-party integrations, and databases. Skilled in discussing requirements with users and writing reusable code.

- Quick learner, creative problem solver, and excellent team player with a 'can-do' attitude and ability to propel projects and teams to peak results while working with minimum supervision. Motivated to collaborate with designers, developers, clients, and other product stakeholders to enhance product features, functionality, and reliability.

- Superior communication, interpersonal, analytical, and problem-solving skills. Capacity to work well under pressure, quickly learn job functions, and effectively handle a variety of tasks while remaining detail oriented. Excel in fast-paced, high-growth environments with tight deadlines and shifting priorities. Curiosity to learn new tools and technologies.

Core Technologies

Languages*:*	JavaScript, HTML, CSS, Python, TypeScript
Frameworks:	React, Node.js, Express.js
Databases & Tools:	PostgreSQL, jQuery, Sequelize, ORM, MongoDB, Mongoose, ODM, RESTful APIs, JSON, Git, Third party APIs

Education

Bachelor of Science in Computer Engineering (Expected Graduation in 12/2022) | George Mason University – Fairfax, Virginia
Relevant Coursework: Computer Programming, OOP, Low-Level Programming, Data Structures, Software Engineering, Computer Systems & Programming, Operating Systems, Analysis of Algorithms

Associate Degree in Computer Science (12/2018) | Northern Virginia Community College – Annandale, Virginia

Software Engineering Immersive (04/2021) | General Assembly – Seattle, Washington
Completed an intensive, 12-week long program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies.

Projects

Pawtel - Client *(Technical Scope: JavaScript, HTML, CSS)*
- Developed a full-stack application utilizing MERN to allow users to create profiles from custom made API server using Mongo DB, mongoose, Express.js and Node.js, also view suitable housing options, and assign users in a "home-away-from-home" of their choice.
- Created super secured full CRUD (create, read, update, and delete) by using Express.js, Node.js, and mongoose collaborated with JWT web token and Hashing password technic to save customers data using JWT- decode and encode process allowing customers to use the app without worrying about privacy security.
- For the front end, created a layout/user interface by using React.js framework for speed, flexibility and best performance for users interaction and for faster and secure website.

Ping Pong – Web Game Application *(Technical Scope: HTML, CSS, Canvas, JavaScript)*
- Built a two-player online game application using aesthetic HTML/CSS and JavaScript framework with a simple and appealing style to entice consumers and ensure enjoyable user experience.
- Created 2D simulator game using HTML canvas which is made for all ages. JavaScript was used to make the canvas responsive and making the ball bouncing around the canvas area, also used keycode to control paddles up and down.

MyBookStore – Responsive Searching App *(Technical Scope: Node.js, JavaScript, Express, PostgreSQL, CSS)*

- Enabled users to search, save, read, and delete (RESTFull CRUD API) favorite books without compromising on privacy by designing and developing a responsive web-based application with fully functional and secure user authentication (Auth).

Messaging App – Responsive Messaging App *(Technical Scope: Node.js, JavaScript, Express, Mongo DB, React.js, Material UI, CSS)*
- MERN Full-Stack web-based Messaging App consists of Mongo DB, Express.js, Node.js, and React.js, Auth 2 (JWT Tokens) which can be used by anyone using the app to broadcast messages to everyone and anyone.
- Full-Stack chat app that can be up and running with just a few steps. The app Front end is built with Material UI running on top of React.js. The backend is built with express.js and Node.js. Realtime update to the user list, conversation list, and conversation message by using Pusher js.

Experience

Security Officer | Admiral Security Services – Washington, DC   (2016 – 2021)
- Spearheaded management and reporting of fire hazards, leaking water pipes, and security vulnerabilities while overseeing daily access control based on identification and organized logs of 200+ people.
- Held concurrent responsibility for interviewing witnesses, obtaining signatures, responding to security alarms, and completing detailed reports by recording observations, information, occurrences, and surveillance activities.
- Maintained a safe and security community and reduced monthly theft rate to 'Zero' by implementing effective security measures, including barbed wires and guard dogs.

Additional experience as Order Fulfiller with Walmart, Alexandria, Virginia