| 1201 Stone View Crossing, Apt 205  Morrisville NC, 27560 | | | | | | **Brett M. Howell** | | | | | | | | | (585) 709-6391  bretthowell10@gmail.com  brettmhowell.com | | |
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| **Relevant Employment** | | | | | | | | | | | | | | | | | |
| **Junior DevOps Engineer** | | | | | | **Menrva Technologies** | | | | | | | | | September 2023 - Present | | |
| * Maintained AWS cloud architecture with VPC, ECS, RDS, Application Load Balancer and Auto-Scaling groups to ensure 100% uptime. * Implemented Terraform scripts and modules for IaC, reducing architecture deployment time by 90%. * Developed CI/CD pipelines via GitHub Actions for automating testing, containerization and deployment of MERN stack applications, reducing development and deployment time by 40%. * Managed AWS costs and over time reduced cloud costs by 35%. * Developed monitoring solutions using Cloudwatch logs eventually resulting in 20% increased efficiency of Auto-Scaling groups. | | | | | | | | | | | | | | | | | |
| **Full Stack Engineer Intern** | | | | | | | | **Menrva Technologies** | | | | | June 2023 - September 2023 | | | | |
| * Engineered and launched a full-stack MERN application by designing RESTful APIs with Node.js, building dynamic UI components in React, and orchestrating state management with Redux. * Orchestrated the deployment of scalable microservices using Docker, enhancing system architecture and streamlining the CI/CD process to boost deployment efficiency and system reliability. * Implemented robust user authentication mechanisms using JWT and OAuth, and rigorously tested backend and frontend components with Jest to ensure top-notch security and reliability. | | | | | | | | | | | | | | | | | |
| **Technical Support II** | | | | | | Center Information Services | | | | | | | | | August 2022 – September 2023 | | |
| * Provided comprehensive technical support to non-profit agencies in the Greater Rochester area, ensuring efficient resolution of technology-related inquiries. * Managed and resolved technical issues promptly using a sophisticated ticketing system, enhancing service quality and client satisfaction. * Contributed to cybersecurity initiatives, implementing measures to protect against vulnerabilities and secure client data integrity. * Supported the streamlined delivery of technology services, facilitating improved operational efficiency for CIS's non-profit partners. * Fostered a collaborative work environment, partnering with colleagues to ensure timely and effective issue resolution for a seamless client experience. | | | | | | | | | | | | | | | | | |
| **Certifications** | | | | | | | | | | | | | | | | | |
| **Solutions Architect Associate - C03** | | | | | | **Amazon Web Services** | | | | | | | | | **January 2023** | | |
| * Gained expertise in designing and deploying scalable, secure, and efficient solutions on AWS, including hands-on experience with EC2, S3, VPC, and IAM. * Mastered AWS architectural principles and services, focusing on building reliable applications and optimizing costs in a cloud environment. | | | | | | | | | | | | | | | | | |
| **Education** | | | | | | | | | | | | | | | | | |
| **Associates in Biology** | | | | | | **Monroe Community College** | | | | | | **June 2015** | | | | | |
| **Technical Experience** | | | | | | | | | | | | | | | | | |
| **Projects** | | | | | | | | | | | | | | | | | |
| * **Blog:**  Wordpress website to host my personal blog. Built on an Amazon Linux VM with IaC and CI/CD methods. AWS, Bash, Linux, Terraform, Ansible, GitHub Actions. * **Hangman:** Containerized game application hosted on the cloud with Load Balancing and Auto Scaling with IaC and CI/CD. AWS, Docker, Python, Flask, MySQL, Terraform, GitHub Actions. * **Cloud Resume Challenge:** HTML/CSS/JS website to host my resume. Developed using serverless computing on the cloud with IaC and CI/CD. Frontend, AWS, Terraform, GitHub Actions. | | | | | | | | | | | | | | | | | |
| **Skills** | | | | | | | | | | | | | | | | | |
| AWS | | | Azure | | | Terraform | | | Linux | | | Docker | | | SQL/NoSQL | | |
| Python | | | React | | | Node.js | | | CI/CD | | | Ansible | | | HTML/CSS/JavaScript | | |