Ruthersmith A. Bercy (Full Stack Developer)
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PROFESSIONAL SUMMARY:

- Professional **Full Stack Developer** with over 5 years of experience in software design using a variety of tools such as: **Python**, **PHP, MySQL, Jenkins, Docker, Terraform, JavaScript, Java, Android.**
- Expertise in managing complete infrastructure lifecycle using **Terraform,** including configuration for development (dev), quality assurance (QA), and production (prod) environments using AWS Organizational Units (OUs).
- Proven track record in **developing**, **deploying**, and **maintaining** web applications and database on Heroku and **AWS**.
- Applied expertise as a **Google Associate Cloud Engineer** (ACE) in developing **ETL pipelines** in **Python** using **Airflow**, **Cloud Functions**, and **Pub/Sub**.
- Demonstrated strong expertise in a wide range of **Google Cloud Platform** (GCP) services, including **Cloud Storage**, **Firestore**, **BigQuery**, **Compute Engine**, **Cloud Functions.**
- Proficient using **Amazon Web Services** (AWS), with hands-on experience in managing **EC2** instances, implementing serverless solutions with **AWS Lambda**, data storage and retrieval using **S3**, and ensuring secure access management
- Created and maintained Web Application using **Laravel**, **CodeIgniter, Flask**, **Angular frameworks**
- Experience in developing UI based GUIs using, **HTML5, JavaScript, Ajax, Typescript, Angular, and Bootstrap**
- Created **SQL** queries for **MySQL**, and experience with **PostgreSQL** and **BigQuery**
- Experience in **Object Relational Mapping (ORM)** using **Eloquent ORM, Hibernate** and **SQLAlchemy**.
- Experience with unit testing applications with **Pytest**
- Experience in popular version control such as **GitHub and bitbucket,** tracking and task management tools such as **Jira and Trello**.
- Solid understanding of core programming concepts, including **Object-Oriented Programming** (OOP) principles.
- Demonstrated expertise in handling **exceptions** effectively to ensure code resilience and maintainability
- Experience in the application of different design patterns like **Singleton, Factory, Template** and **Builder**
- Experience consuming **RESTful API**
- Experience with the **MVC** Pattern both in **Codeigniter** and **Laravel**

Technical Skills:

Languages	PHP, Python, JavaScript, SQL, TypeScript, and Java
Devops Technologies	GCP, AWS, Jenkins, Docker, Terraform
Web Technologies	HTML5, CSS3, Bootstrap, Angular, NodeJS, and JSON
Databases/ORMs	MySQL, PostgreSQL, Hibernate, Eloquent ORM and SQL alchemy
IDEs Tools & Operating Systems	Visual Studio Code, Eclipse, Linux, Git, Postman, Android Studio, and IntelliJ
Amazon Web Services	Amazon EC2, S3, Lambdas, SES, Route53, ECS, RDS, ECS, AWS Fargate
Back End Technologies/Frameworks	Laravel, CodeIgniter, Flask, NodeJS

Five Star technology solutions
Role: Full Stack Software Developer   **November 2021 – Present**

Description: Five Star Technology Solution is a technology company in the edtech space that specializes in helping school organizations across the country with their technology need. I worked on several projects, creating and maintaining data pipelines, maintaining and developing new features for web applications, maintaining and managing the infrastructure for the different projects

Responsibilities:
- Worked as part of the development team to maintain a Laravel Based web application
- Worked as part of the Data Analytics to create backend ETL pipelines in **Python** and research different data analytics tool such as **airflow** and **dbt** to improve our processes
- Worked as part of the devops team to manage the infrastructure of our different projects, making use of IAC tools such as **terraform**
- Integrated our integration tests with bitbucket pipelines
- Provisioned and maintained continuous build environments to run our **jenkins** pipelines

Technologies: Python, GCP, AWS, MySQL, PHP, Laravel, JavaScript, terraform, Docker, Jenkins, Bootstrap.

NeotechDesign, Taunton, Ma   **July 2017- 2019**
Role: Junior Developer

Description: Neotech Design is a technology solution startup that works with a variety of technologies to implement features requested by clients. I worked on several projects developing **new features** and fixing **bugs** for existing applications, creating entirely new applications, and contributing to the in-house software developed by the company.

Responsibilities:
- Maintained pre-existing projects and helped develop new features as required by clients.
- Used postman to test the **API endpoints** to ensure the right functionality.
- Involved in writing complex **queries** and modifying the existing queries in the **MySQL** server.
- Used Bit Bucket for Version Control and Trello to manage the workflow
- Develop CMS components and web and mobile components based on provided design

Technologies: MySQL, HTML5, CSS3, PHP, JavaScript, CodeIgniter, Bootstrap, Trello, Git, Bitbucket.

Freelance
Used AWS pay as you go model to save a local landscaping company hundreds of dollars for hosting a static website on amazon s3 rather than a dedicated server. Using a WordPress plugin, I was able to turn the WordPress site into a collection of static files. I used S3 to store the static files, route 53 as a DNS service and CloudFront for content delivery. To handle the form data, I used amazon's API Gateway, aws lambda and aws ses.

Responsibilities:
- Used amazon **s3**, route 53 and CloudFront to host static website
- Developed an aws lambda expression using that uses amazon simple email service (ses)

EDUCATION:
Bridgewater State University, Bridgewater, Massachusetts
Bachelor of Science in Computer Science (GPA: 3.8)