Gabriel Dunlop

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Skills

- JavaScript | VueJS | Python | Node.js | Express | Docker | Flask | Git | HTML | CSS | Terraform
- MongoDB | Postman | BizzDesign | Power BI | DynamoDB | Lambda
- AWS | Frontend | Backend | Full-Stack | 150 WPM | English

Experience

Cloud Engineer   **Ally Financial**   *Charlotte, NC, USA*   **06/2025 - Present**

- Maintained and **enhanced** Ally's internal **cloud** platform, supporting AWS-based services and managing infrastructure using **Terraform (Infrastructure as Code)** to ensure consistency, scalability, and reliability across environments.
- Designed, developed**, and deployed cloud-native applications** using **Python and Vue.js**, delivering internal tools and services hosted on **AWS** to support engineering and business workflows.
- Architected and implemented **reusable Terraform modules** for **AWS and Nutanix**, defining standardized patterns for infrastructure provisioning and internal API integrations.
- Collaborated **cross-functionally** with engineers, cloud architects, and business stakeholders to gather requirements, review designs, and deliver cloud solutions aligned with security, performance, and operational standards.

Junior Solutions Architect   **Ally Financial**   *Charlotte, NC, USA*   **08/2024 - 06/2025**

- Prototyped architecture using Ally's cloud patterns for a GPT-powered assistant converting EmberJS to React using schema engineering
- Conducted comprehensive security compliance and testing using **Threatmodeler** to identify and mitigate potential risks in enterprise systems
- Utilized Python and M within PowerBI to streamline a compliance dashboard for **Threatmodeler**
- Enhanced the Architectural Impact Assessment as well as the ATOM intake process for new initiatives at Ally Financial
- Developed comprehensive documentation outlining security auditing practices and version control procedures for threat modeling

Intern   **ADT- Remote**   *Boca Raton, FL, USA*   **11/2020 - 12/2021**

- Implemented scripts for deleting mass entries with no longer affiliated vendors
- Communicated extensively using **Microsoft** tools and software
- Collaborated and contributed to the project while working remotely, demonstrating strong communication and self-management skills in a distributed team environment

Educational Software Engineer   **UNCC - Graduate Class**   *Charlotte, NC, USA*   **01/2024 - 05/2024**

- Led development of an enterprise-grade web application, generating a mental health application using JavaScript, HTML, and CSS alongside frameworks such as **Express.js** and **MongoDB** with Mongoose ORM
- Implemented robust security measures including **Bcrypt** and express-validator for secure authentication and input validation
- Architected RESTful API endpoints with **Express.js**, **methodOverride**, and session management for seamless user experience
- Enhanced development workflow with logging, middleware, and cross-browser compatible responsive design
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing

Education

Bachelor of Science   **University of North Carolina at Charlotte**   *Charlotte, NC, USA*   **08/2019 - 05/2024**

- Major in Computer Science in Software Engineering

Projects

- **MINDFUL MEET:** Co-Creator of a mental health website with public resources (JS, HTML, CSS). Link to Project **(04/2024)**
- **ROAD-TRIP:** Designed a Travel website using various APIs with a team (Python, SQL, HTML, CSS). Link to Project **(05/2024)**

Certifications

- **AWS**: Certified Cloud Practitioner **(09/2024)**
- **AWS**: Solutions Architect Associate **Expecting Soon**