**SUMMARY:**

Innovative software engineer with over 8 years of hands-on experience in Python development, specializing in Django and Flask APIs. Expertise in the full software development lifecycle, object-oriented programming, and scalable database solutions for backend systems. Adept in message-oriented middleware (AMPS, RabbitMQ, ZeroMQ) and data manipulation using Pandas and NumPy. Certified AWS Developer with a strong command of deep learning frameworks like PyTorch. Committed to delivering high-quality, timely, and budget-conscious solutions while staying at the forefront of emerging technologies.

**Technical Skills:**

* **Testing Frameworks**: pytest, JUnit, jest, mocha, cypress, jasmine, selenium and playwright
* **Types of Tests**: Unit tests, end-to-end testing, functional testing, regression testing, smoke testing, integration testing
* **Programming Languages:** C, C++, C#, Go, Java, Python, Node.js, React/native, Typescript, Javascript
* **Programs Made:** Web Apps, Desktop, Mobile, Web Servers, DevOps Tools, Back-end, Front-end, Full-stack, Microservices, APIs, ORMs
* **Frameworks & Libraries:** Flask, Django, Pandas, NumPy, PyTorch, TensorFlow, Spring, Hibernate, .NET, Linq, WPF, Xamarin, Angular, Nextjs, Pickle
* **Cloud Platforms:** AWS, Azure, GCP
* **Machine Learning:** Supervised, Unsupervised, Deep Learning
* **DevOps Tools:** Version control (Git, GitHub, Jenkins, Ansible/Chef, Docker, Docker Swarm, Containerization, Kubernetes, CloudFormation, Grafana, Jenkins, automated testing, CI/CD
* **Databases:** SQL, mysql, mongodb, postgresql, duckdb, AWS auroraDB, AWS dynamoDB, S3, redis, redshift
* **Familiarity with:** Full stack, front end, back end, web design, web applications, APIs, oracle, design patterns, data modeling, microservices, lambda functions, data analysis, statistical modeling, CSV, ANN, CNN, Linear Regression, Random Forrest, Bayesian Methods.
* **Client-facing experience:** provided white glove service for network infrastructure setups, server setups, rack setups, cable runs with plenum ethernet cables, office desktop/printer setups, and handling software delivery via images per client requirements.

**Certifications:** Amazon Web Services Developer Associate (DVA-C02) – [Credly Link to verify](https://www.credly.com/badges/f4a2bdfc-61fd-450d-9711-58fd727483db/linked_in_profile)

**Additional Languages:** Fluent in Spanish; learning Mandarin

**PROJECTS (Appendix for Web Links below)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Luegle Maps** Geospatial application to locate places listed on Google  Tech: Javascript, HTML, CSS, Express, Google Places API | [Video](https://www.loom.com/share/178e15c4ea5f435984a40c93ea01105a) | [GitHub](https://github.com/LueDev/Luegle) | | Nov 2023 – Dec 2023 | | |
| **Titan Capital Financial** Banking CRUD application  Technologies: React, Hooks, Context, ChartJS, & JSON Server | | | [Video](https://www.loom.com/share/10090d68916245ed929e93cb6a997857?sid=e68f47d7-edfc-4d38-ad16-b48f14d74323) | | [GitHub](https://github.com/LueDev/Titan-Financial-Capital) | Dec 2023 – Jan 2024 | |
| **MedExams** – Team Lead/Backend Lead Medical CRUD application  Stack/Technologies: MERN, RabbitMQ, Redis, Tailwind CSS | | | [Demo](https://medexams.onrender.com/home) | | [GitHub](https://github.com/LueDev/TechDive) | Feb 2024 - Mar 2024 | |
| **Hotel Management System**  CLI Object Relational Mapper with DB  Technologies: Python, Click, OOP, Sqlite3 | | | [Video](https://www.loom.com/share/1e3491e8b6f1421ebdd4cc2fb97bdd4f?sid=939bcd8c-3438-4132-bd86-d0beefcc64de) | | [GitHub](https://github.com/LueDev/Python-CLI-ORM) | April 2024 – May 2024 | |

**EDUCATION**

|  |  |
| --- | --- |
| **New York City College of Technology** | Brooklyn, New York |
| **Bachelor of Science** in Computer Science Technology/Networking and Security | 06/2018 |

* Achieved Dean's Honors List recognition for exceptional academic performance.
* Applied project management principles and technical skills in Cisco routing, switches, wireless, and security technologies to various coursework and projects.

|  |  |
| --- | --- |
| **Flatiron School Coding Bootcamp for Software Engineering** | New York, New York |
| Part-time Student | Expected Graduation June 2024 |

* Mastering full-stack development with modern stacks including react, typescript, nextjs, python, flask, django, and CMS systems to build scalable web applications.
* Created Luegle Maps, Titan Capital Financial and Python CLI Object Relational Mapper projects

**PROFESSIONAL EXPERIENCE**

|  |  |
| --- | --- |
| **Hack.Diversity** | New York, New York |
| 2024 Hack.Diversity Fellow for Software Engineering | 2023 – Current |

* Selected for the prestigious Hack.Diversity Fellowship, integrating Boston’s innovation, corporate, civic, academic, and philanthropic pillars.
* Led backend development for the [MedExams](https://medexams.onrender.com/home) project, ensuring robust and efficient system architecture.
* Awarded Most Valuable Hacker for outstanding contributions and leadership.
* **Conference Panelist**: Shared insights on "How AI Impacts Hiring" at Hack.Diversity’s debut during NY Tech Week. [YouTube Video](https://www.youtube.com/watch?v=W2xCARTtu1s)

|  |  |
| --- | --- |
| **Cambium Assessment Inc**: SaaS company offering secure testing software | Remote |
| Project Coordinator | 2022 – 2023 |

* Leveraged advanced MySQL, SAS, and Excel skills to ensure data accuracy across 20+ client states, implementing rigorous quality assurance measures.
* Managed 7+ concurrent projects across 3 groups, facilitating Agile sprints and client meetings to ensure alignment and successful delivery. Utilized JIRA for seamless project tracking and updates.

|  |  |
| --- | --- |
| Helpdesk Analyst | 2021 – 2022 |

* Conducted comprehensive training sessions for end-users, improving their proficiency with proprietary software for state testing.
* Mentored technicians to enhance performance, meeting SLA goals consistently. Analyzed data to identify common issues and implemented fixes in SharePoint

**APPENDIX**

|  |  |  |
| --- | --- | --- |
| Luegle Maps | GitHub Repo | <https://github.com/LueDev/Luegle> |
| Video Demo | <https://www.loom.com/share/178e15c4ea5f435984a40c93ea01105a> |
| Titan Capital Financial | GitHub Repo | <https://github.com/LueDev/Titan-Financial-Capital> |
| Video Demo | <https://www.loom.com/share/10090d68916245ed929e93cb6a997857?sid=e68f47d7-edfc-4d38-ad16-b48f14d74323> |
| MedExams | GitHub Repo | <https://github.com/LueDev/TechDive> |
| Render Demo | <https://medexams.onrender.com/home> |
| Hotel MS | GitHub Repo | <https://github.com/LueDev/Python-CLI-ORM> |
| Video Demo | <https://www.loom.com/share/1e3491e8b6f1421ebdd4cc2fb97bdd4f?sid=939bcd8c-3438-4132-bd86-d0beefcc64de> |
| Tech Week Conference | Youtube | <https://www.youtube.com/watch?v=W2xCARTtu1s> |