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## Summary

Software Engineer with a Bachelor's degree in Computer Science and over 3 years of engineering experience. Proficient in coding with Python, Java, JavaScript, and C, with a strong background in building scalable applications. Skilled in leveraging cloud platforms including Azure, AWS, and GCP to design and deploy robust, cloud-native solutions. Experienced in full-stack development, building front-end applications in React (with HTML, CSS, JavaScript, TypeScript) and maintaining back-end services in Django. Adept at modernizing legacy Django applications while delivering new, cloud-based solutions. Strong ability to adapt across frameworks and environments, with proven expertise in APIs and SQL.

## Technical Skills

Languages & Frameworks: Python (Flask, Django), Java, JavaScript/ES6, Node.js, React, PHP, C  
Front-End: React, HTML, CSS, JavaScript, TypeScript, Django templates  
Databases: PostgreSQL, MySQL, MongoDB (NoSQL), InfluxDB, SQLAlchemy ORM  
Cloud Platforms: Azure, AWS, GCP  
DevOps & Tools: Git, GitHub Actions, GitLab CI/CD, Jenkins, Docker, Kubernetes, Portainer  
Data & Analysis: Jupyter Notebooks, ETL scripts, data ingestion/cleanup pipelines  
System & Monitoring: Linux administration, Grafana, Splunk  
Testing & Methodologies: pytest, unittest, TDD, Agile/Scrum, OOP, algorithms  
APIs & Services: RESTful APIs, JSON, XML, SQL

## Professional Experience

**Software Developer: Prodigy Technologies Inc. (Client: T-Mobile)**  
(Dec 2022 - Aug 2025)

- Developed REST APIs and microservices in Python, Java, and Node.js, applying SQLAlchemy for ORM integration.
- Built scalable solutions using relational and non-relational databases (PostgreSQL, MySQL, MongoDB, InfluxDB).
- Deployed applications across Azure, AWS, and GCP using Docker and Kubernetes.

- Automated CI/CD pipelines with GitHub Actions and GitLab, enabling rapid and reliable deployments.
- Leveraged Jupyter Notebooks for analytics and ETL workflows, streamlining reporting.
- Practiced Linux administration for system reliability (scripting, process monitoring, log analysis).
- Managed relational and non-relational databases (PostgreSQL, MySQL, MongoDB, InfluxDB), optimizing SQL queries and ensuring high performance.
- Deployed and orchestrated applications using Docker and Kubernetes, supporting scalable cloud deployments.
- Automated pipelines with GitHub Actions and GitLab CI/CD for testing and deployment.
- Developed and integrated REST APIs to streamline data access and improve system interoperability.
- Implemented Redis caching strategies to reduce latency and enhance query performance for large-scale data pipelines.
- Built and maintained React-based components for internal dashboards, ensuring responsive and user-friendly interfaces.
- Utilized Jupyter Notebooks for data analysis, ETL workflows, and reporting integration.
- Applied Linux administration skills (process monitoring, log analysis, shell scripting) for production support.
- Managed large datasets in PostgreSQL, MySQL, and InfluxDB, writing optimized SQL queries, stored procedures, and improving query performance.
- Developed Grafana dashboards and integrated with Splunk logs to monitor KPIs, troubleshoot incidents, and provide system visibility.
- Deployed and orchestrated applications using Docker containers, Kubernetes pods, and Portainer, ensuring reliable deployments across environments.
- Automated builds, tests, and releases with GitLab CI/CD pipelines; integrated testing frameworks to catch regressions early.
- Supported deployments on AWS and Azure, configuring services, managing access keys, and handling environment scaling.
- Used Confluence and Jira for documentation, sprint planning, and cross-team collaboration in an Agile environment.

- Performed unit testing with PyTest/unittest, contributed to code reviews, and followed best practices for maintainable, production-ready code.
- Monitored applications with alerting systems, integrated metrics into dashboards, and worked closely with ops teams to improve reliability.
- Contributed to ETL workflows by writing Python scripts for data ingestion and cleanup, integrating outputs into reporting pipelines.
- Designed and delivered front-end features using React, HTML, CSS, and TypeScript for internal business users.
- Maintained and modernized legacy Django applications, refactoring older code for better performance and scalability.
- Collaborated with cross-functional teams to deliver full-stack solutions, aligning front-end React UIs with Django back-end services.

**Software Developer: Tech Mahindra (Client: Verizon)**

*(May 2019 - July 2021)*

- Developed and tested Python 3 scripts and modules, writing clean, reusable code for back-end services and third-party integrations.
- Built applications using Django and Flask, implementing RESTful APIs for system integration.
- Debugged and resolved issues with senior developers; maintained technical documentation and performed unit/integration tests.
- Wrote optimized SQL queries for PostgreSQL/MySQL databases; ensured data integrity and consistency.
- Applied object-oriented programming, data structures, algorithms, and recursion to improve performance.
- Gained exposure to Docker, Jenkins CI/CD, and cloud platforms (AWS/Azure) to support deployment and automation initiatives.
- Delivered full-stack features using Django back-end and JavaScript/HTML/CSS front-end.
- Maintained older Django apps, ensuring compatibility and incremental modernization.

**Junior Software Engineer: Knoah Solutions**

*(April 2016 - March 2019)*

- Assisted in developing and maintaining web applications using Python, JavaScript, and PHP, with focus on user-friendly features.
- Created and consumed REST APIs, and built front-end components with JavaScript, jQuery, HTML, and CSS.
- Debugged applications by analyzing error logs, reproducing bugs, and applying fixes under senior guidance.
- Designed and queried MySQL and PostgreSQL databases, ensuring proper data handling and storage.
- Used Git for version control and participated in team code reviews to learn best practices.
- Wrote basic unit tests and performed manual testing before deployment.
- Collaborated with designers and project managers to translate requirements into technical solutions and documented workflows for maintenance.

## **Education**

- Bachelor of Technology in Computer Science (2010 - 2014)
- Master's in Computer Information Systems (2021 - 2023)