G.Vignesh

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PROFILE SNAPSHOT

- Results-driven and inventive Backend Engineer with **4 years of experience** building scalable ETL pipelines and cloud-native applications.
- Proven track record delivering **Python and AWS-based** microservices in DevOps and Agile environments.
- **Promoted twice for consistent ownership**, innovation and collaboration across teams.
- Hands-on with containerised system **(Docker, Kubernetes)**, REST APIs and backend automation workflow.
- Open to diverse technologies including **Spark, Scala and Java.** Recognised for **driving results**, learning fast and shipping reliable systems in data-incentive domains
- Instrumental in **documenting and implementing** application designs with a focus on functionality, performance, and resilience in Agile/Scrum environments.

TECHNICAL SKILLS

- **Programming Languages:** Python, Javascript, Typescript
- **Frameworks:** Django, FastAPI, Node.js, React, Angular
- **Cloud Technologies:** AWS(Lamda, EC2, S3, DynamoDB), Docker, Kubernetes, GitLab CI/CD.
- **Tools:** Pytest, Postman, Git, Datadog
- **Methodologies:** Agile, Scrum, DevOps delivery, Feature, CI/CD

AREAS OF EXPERTISE

Website Development	Software Testing Life Cycle	Project Management
Software Development	Automation Testing	Team Management & Leadership
Project Delivery	Requirements Analysis	Web Services

CAREER CONTOUR

Software Developer 1 - Software Developer 2	Associate Programme Analyst - Senior Associate Digital Technology	Python Developer
Arcadia,Inc, Colorado, USA	Data Storm India Pvt Ltd	Bigfix.in
March 2023- Present	Feb 2022 – March 2023	August 2021- Feb 2022

KEY DELIVERABLES

Arcadia Solutions, Colorado, United States | March 2023 - Present
Backend Engineer – Residential Utility Data Squad

- **Promoted to Engineer 2** in 2024 for leading infrastructure migration and automation-heavy initiatives.
- Led the migration from Amazon SQS to Kubernetes, significantly improving system scalability and reliability.
- Developed and maintained ETL pipelines for utility data ingestion using AWS Lambda, Python and DynamoDB
- Engineered secure scraping workflows supporting MFA, CAPTCHA, and dynamic login sequences.
- Delivered RESTful APIs and backend microservices for bulk scraping automation and real-time data integration.
- Triaged and resolved utility data system bugs using Datadog, and CloudWatch improving system reliability.
- Followed Agile practices while collaborating with QA and product teams, improving test coverage by over 10%

Data Storm India, Chennai, India | February 2022 - March 2023
Associate Programme Analyst - Senior Associate in Digital Technology

- Developed and modules for a career website using Node.js and Angular, enhancing user experience and functionality.
- Implemented a sentiment analysis system using Python to extract insights from user interactions and feedback, improving content engagement strategies.
- Created a Career website, ensuring robust data management and seamless user functionality.
- Designed and implemented an attendance tracker and payroll module, streamlining employee management processes.
- Developed an API platform for storing all API request and response data, optimizing backend operations and enhancing system integration.
- Created a dynamic landing page for Fudge India using React, contributing to the company's online presence and user engagement.
- Responsible for managing the GitLab instance, ensuring version control and collaboration among development teams.

BigFix.in, Chennai, India | Aug,2021– Feb,2022
Python developer

- Implemented a responsive, end-to-end web application with multi-functional capabilities from scratch.
- Developed an interactive UI featuring a QR code scanning capability to retrieve user details.
- Created an activity and group feed to foster user engagement, enabling content sharing within the application.
- Integrated APIs for payment and assessment functionalities, ensuring secure and efficient transactions.
- Designed and developed a RESTful API UI using Django, optimizing backend communication and data handling.
- Managed highly sensitive data with exceptional judgment and discretion, ensuring compliance with data protection standards.

ACADEMIC CREDENTIALS

- M.B.A., System Management, CGPA - 8.2/10 from University of Madras, Chennai
- B.E., Electrical and Tele - Communication Engineering from Sathyabama University, Chennai

EXTRA-CURRICULAR ACTIVITIES

- Active athlete in school.
- NCC training and NSS campaign participant.
- Received Awards in Short Film in College Festival
- National Service Scheme Campaign in College
- Participated in SILICON 2K16 National Level Technical Symposium

TECHNICAL ACHIVEMENTS

- Recognized as a **top performer for three times(Q1 2024, Q2 2024, Q1 2025)** for exceptional contributions to project outcomes.
- Won the 2023 Hackathon by developing a **low-maintenance and fast Utility Scraper** utilizing AI/ML models, including passage ranking, Roberta-base, and LayoutLM models.

HIGHLIGHTS

- Hands-on experience with **ETL systems, Spark-ready infra, and data-heavy engineering**
- Strong in DevOps delivery models, Agile planning, and cross-team coordination