G.Vignesh

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PROFILE SNAPSHOT

- ❐ Passionate Software Developer with **3+ years** of professional IT experience, specializing in backend engineering and software development across a range of technical domains.
- ❐ Experienced in designing and developing serverless architectures using **AWS Lambda**, streamlining workflows and reducing operational costs through efficient cloud solutions.
- ❐ Proven ability to deliver high-quality solutions in Frontend Web Applications, Web Automation Testing, Microservices, **Web Scraping**, Data Wrangling, and Windows Desktop Applications.
- ❐ Skilled in programming languages and frameworks such as **Python**, Node.js, React, and Angular, with a deep understanding of backend and frontend development processes.
- ❐ Adept at breaking down **complex problems** into manageable solutions, ensuring performance, scalability, and clarity in communication across technical and non-technical teams.
- ❐ Instrumental in **documenting and implementing** application designs with a focus on functionality, performance, and resilience in Agile/Scrum environments.

TECHNICAL SKILLS

- ❐ **Programming Languages:** Python, Node.js, Javascript, Angular, React.js, React Native
- ❐ **Web Technologies:** RESTful API, Bootstrap 4, Node.js, JavaScript, TypeScript, HTML5, CSS3, Less, Sass, JSON, XML
- ❐ **Databases:** MS SQL, MySQL, SQLite, MongoDB, Oracle
- ❐ **Tools/IDE:** Adobe XD, PyCharm, Xcode, Visual Studio Code, Git, Maven, Gradle, Postman, Android Studio
- ❐ **Frameworks/Libraries:** Angular, React, Redux, Express.js, Ruby, Django,TypeScript
- ❐ **Cloud Technologies:** AWS EC2, Heroku, GCP Cloud, Apache Hadoop, OpenStack, Ocean Cloud
- ❐ **Tech Stack:** Python, Pytest, BeautifulSoup, Node.js, Typescript, Angular, React.js, MongoDB, Django, REST API, React Native

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

- ❐ Developed Python modules for collecting and parsing consumer utility data, deployed in AWS Lambda, integrated with a custom queuing system.
- ❐ Spearheaded the implementation of a historical data cache using DynamoDB, improving data retrieval efficiency.
- ❐ Led unit testing efforts, increasing coverage by over 10% and automating test generation for scraper code.
- ❐ Built and maintained web scrapers on AWS Lambda, navigating complex web patterns like Multi-Factor Auth and Captcha.
- ❐ Triaged and resolved utility data system bugs using Datadog, improving system reliability.

- Conducted technical interviews for backend roles, contributing to team growth.
- Led integration of utility data scrapers post-Urjanet acquisition, redesigning the backend architecture.
- Managed the rollout of a critical API with a multi-phase release strategy using feature flags.
- Proposed and built a self-service front-end for bulk scrape jobs, automating previously manual tasks and improving efficiency.
- Led infrastructure migration from SQS to Kubernetes for better scalability.
- Collaborated with product and quant teams for risk impact analysis and testing, ensuring accurate data handling.

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

- Developed and maintained 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 complete backend for the Cape 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.

Software Developer-Full Stack: Aug,2021-
Feb,2022 BigFix.in, Chennai, India

- 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 consecutive months** (January 2024 - March 2024) 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.
- Participated in a workshop on Robotics conducted by **Twiz Android Robo Pvt. Ltd.**, enhancing skills in robotics and automation.
- Attended the National Conference on Emerging Trends in **VLSI, Embedded, and Nano Technologies**, in association with BSNL (NCEEVENT 2K17), expanding knowledge in advanced technologies.