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Professional Summary

- **14+ years of experience** in **Python, AWS, and Full-Stack Web Development**.
 - Expertise in **Backend Development (Django, FastAPI, Flask), AWS (Lambda, DynamoDB, API Gateway, S3), and DevOps (Terraform, Docker, Kubernetes)**.
 - Strong understanding of **Microservices Architecture, REST APIs, System Design, and Cloud-Native Applications**.
 - Proven ability to optimize performance and reduce operational costs with scalable architectures.
 - **Technical Reviewer** for "Flask Framework Cookbook (2nd Edition)" & "Building Web Apps with Python & Flask".
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Technical Skills

- **Programming:** Python, Core Java, JavaScript (ReactJS)
 - **Backend:** Django, FastAPI, Flask, AWS Chalice
 - **Cloud & DevOps:** AWS (Lambda, API Gateway, DynamoDB, S3, EC2, Cognito, SQS, SES), Terraform, Docker, Kubernetes
 - **Databases:** MySQL, PostgreSQL, MongoDB, DynamoDB, HBase
 - **Web Technologies:** ReactJS, HTML, CSS, JavaScript, XML, JSON
 - **Frameworks & Concepts:** REST APIs, Microservices, Regular Expressions, Web Scraping, MapReduce, CI/CD, System Design
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Professional Experience

Principal Consultant – Girikon Solution Pvt. Ltd. (Apr 2022 – Jul 2024)

- Designed and developed **enterprise-scale, cloud-native applications** using **Python & AWS**, boosting system reliability by **40%**.
- Led microservices migration to AWS Lambda and API Gateway, reducing API response latency by **50%**.
- Built **CI/CD pipelines** with Terraform and Docker, improving deployment efficiency by **30%**.

Senior Technical Lead – 3Pillar Global (Feb 2018 – Apr 2022)

- Developed **high-performance backend systems** and optimized AWS infrastructure to reduce costs by **20%**.
- Spearheaded **data pipeline optimization**, increasing processing speed by **25%**.
- Led a **10-member team**, ensuring agile delivery of scalable microservices applications.

Module Lead – Xavient Information Systems (Nov 2015 – Feb 2018)

- Architected **cloud-first applications** using Python, AWS, and modern web technologies.
- Migrated monolithic apps to microservices-based architecture, improving scalability by **40%**.

Additional Roles

- **Sr. Software Developer** – Camp SMA Pvt. Ltd. (Apr 2015 – Nov 2015)
 - **System Analyst** – ValueLabs (Jul 2014 – Mar 2015)
 - **Software Engineer** – GlobalLogic (Jan 2011 – Oct 2013)
 - **Software Engineer** – IT Global Software (Jan 2010 – Jan 2011)
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Key Projects

Leadzone Premium (Python, AWS, PostgreSQL, Redis, Elasticsearch)

- Developed a **lead segmentation system** with AWS Lambda & DynamoDB, improving data retrieval by **35%**.
- Designed and implemented **real-time REST APIs** for analytics and customer profiling.

AIMS – Healthcare Platform (Python, Django, ReactJS, PostgreSQL, AWS)

- Built a **real-time data processing pipeline** for healthcare records, handling **1M+ transactions daily**.
- Integrated **Kafka & AWS S3** for efficient HL7/FHIR data management.

Deck Designer (<https://deckdesigner.trex.com/>) (Python, Flask, ReactJS, AWS)

- Developed **backend microservices** hosted on AWS, reducing API response time by **40%**.
- Implemented **serverless architecture** with AWS Lambda and API Gateway.

EDI Translator (*Python, Django, Hadoop, MySQL*)

- Built an **EDI format translation system**, enabling seamless data exchange across healthcare networks.
- Worked on **834 format** translation for electronic data processing.

Sunship (Social Media Platform) (*Python, Django, MySQL*)

- Developed an **admin-controlled CMS** for managing role-based content approvals.
- Integrated **class-based views** for handling scalable user interactions.

Targeted Web Crawling (*Python, JavaScript, Regular Expressions*)

- Led a **web scraping initiative**, optimizing crawl quality for search engines.
- Built **custom scraping scripts** for extracting structured data from multiple sources.

CW Suite (*Python, Pyramid, MongoDB*)

- Developed new modules and resolved critical bug fixes, ensuring system stability.

CAM (Collaborative Application Management) (*Python, JIRA*)

- Built new application modules and worked on bug fixes to improve overall application performance.

CAM WMI Agent (*C#*)

- Developed a Windows service application to execute WMI class queries and capture performance data.

Crawl Quality Optimization (*Python, HTML, CSS, JavaScript, Regular Expressions*)

- Designed **scripts and regex-based automation** to enhance web crawling efficiency for search engines.

Customs Integrated Information System (*C#, SQL Server*)

- Developed SID modules and integrated 3-tier architecture for enterprise solutions.
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Education

- **Master's in Computer Applications (MCA)** – Guru Gobind Singh Indraprastha University, 2010
 - **Bachelor's Degree** – University of Delhi, 2007
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Certifications & Achievements

- **Winner of Smart Risk Taker Award – 2019**
 - **Team Work BiAnnual Award – 2018**
 - **Extra Mile Award – Q2 2018**
 - **Quarterly Performance Award – Q2 & Q3 2012**
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