Akhilesh Singh Shrinet

Senior Backend Engineer | System Architect | USA Healthcare | PHP | Python | AI/ML
New Delhi, India
Mobile: +91-9910698765
Email: alpha0072009@gmail.com
LinkedIn: linkedin.com/in/ashrinet

PROFILE SUMMARY

I'm a **Senior Backend Engineer and System Architect with 15+ years of experience** building scalable, cloud-native systems, with deep expertise in **US healthcare platforms and HIPAA-compliant architectures**. I've led the design and delivery of **secure, multi-tenant backend systems and high-performance APIs** using **PHP (Laravel), Python, and AWS serverless technologies**. I work closely with product and engineering teams, take ownership of system design decisions, and ensure reliability, security, and scalability in production. I bring a strong academic foundation in **Data Science and its Applications, AI & ML from the Indian Institute of Technology Madras (IITM)**.

CORE COMPETENCIES

Backend Engineering • System Architecture • API Design (REST, GraphQL) • Microservices • Serverless (AWS Lambda) • HIPAA-aligned Engineering • Secure Healthcare Data Handling (PHI) • Multi-tenant Systems • Python & AI/ML Foundations • Cloud Infrastructure (Aurora, DynamoDB, S3) • DevOps (Docker, Kubernetes) • Performance Optimization • Technical Leadership

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WORK EXPERIENCE

Sr. Software Engineer – Curitics Health Solutions, Inc (USA Healthcare Domain)

Oct 2024 - Working

- Developing and architecting HIPAA-aligned, multi-tenant healthcare platforms using Laravel & AWS.
- Designing serverless healthcare systems with Lambda, DynamoDB, Aurora, SQS and API Gateway.
- Implementing secure workflows for PHI (Protected Health Information).

- Optimizing backend performance for clinical modules, claims workflows, and patient/provider systems.
- Leading backend engineering decisions, mentoring developers, and improving system reliability.
- Ensuring healthcare domain compliance and participating in product/security reviews.

Skills: PHP, Laravel, Python, AWS, MSSQL, PostgreSQL, Serverless

Magento Tech Lead – FROCQ FillYouIn Pvt. Ltd
Aug 2023 - Feb 2024

- Led architecture and development of enterprise Magento systems.
- Built custom modules, performance improvements, and third-party integrations.
- Oversaw engineering quality, planning, and deployment processes.

Project Associate – NPTEL (IIT Madras)
April 2022 - May 2023

- Engineered backend systems using Python, Django, Flask.
- Developed high-speed exam center allocation engine for 50,000+ students/min.
- Improved system performance and created automation scripts.

Fullstack Developer Lead – Max Vision Solutions Pvt. Ltd
July 2011- Mar 2022

- Led engineering teams delivering 100+ enterprise and e-commerce systems.
- Architected backend solutions using PHP, Python, Django, Flask.
- Managed client interactions, project planning, code reviews, and deployments.

Freelance CMS Developer
May 2008 - Apr 2011

- WordPress, Joomla, Drupal, OpenCart, and Magento systems for global clients.

EDUCATION

B.Sc in Data Science & Applications – IIT Madras

Focus: ML, AI, Statistics, Data Science, Python

ACHIEVEMENTS

Interactive Media Awards (IMA)
Issued by The Interactive Media Council, Inc. (IMC) · Jan 2018

- Recognized for excellence in web-related fields, including website design, application development, usability engineering, and more.
  Achievement Link

CERTIFICATIONS

- Arc Certified Remote Developer
- Microsoft Certified: Azure AI Fundamentals
- Microsoft Certified: Azure Data Fundamentals
- Microsoft Certified Azure Fundamentals
- Microsoft Certified: Power Platform Fundamentals
- HackerRank: Python Certification
- HackerRank: MySQL Certification
- NPTEL: Internet of Things Certification
- NPTEL: Cloud Computing Certification

KEY SKILLS

- **Backend:** Python, Django, Flask, PHP, Laravel
- **Architecture:** Microservices, Serverless, Distributed Systems
- **Healthcare:** US Healthcare Domain, HIPAA Principles, PHI Security, Multi-tenant Health Apps
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Cloud/DevOps:** AWS, Docker, Kubernetes
- **Frontend:** Vue.js, Bootstrap, Tailwind
- **CMS:** Magento, WordPress, Drupal
- **Tools:** Git, Celery, Redis, Sentry, Vagrant

SOFT SKILLS

Leadership • Problem Solving • System Thinking • Team Management • Communication • Critical Reasoning

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PERSONAL DETAILS

- **Total Experience:** 16 Years
- **Current Location:** New Delhi
- **Date of Birth:** Oct 05, 1985
- **Gender:** Male

CLOSING STATEMENT

I look forward to contributing my expertise in backend engineering, scalable system design, and HIPAA-compliant healthcare applications to your team. I welcome the opportunity to discuss how my technical strengths can support your product and engineering goals. Thank you for your consideration.

CONTACT INFORMATION

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