

# LAKSHITHA MATHANGADEERA

Senior Software Engineer

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## SKILLS SUMMARY

- **Backend Development & Frameworks**
  - PHP MVC Frameworks: Magento 2, Laravel
  - LEMP Stack (Linux, Nginx, MySQL, PHP): Scalable server configurations, high-performance tuning
  - Python Frameworks: Flask, Django
  - Magento 2 Development: Custom module development, checkout customization, order management, product attributes, and catalog enhancements
  - Magento 2 Design Patterns: Factory, Repository, Dependency Injection (DI), Service Contracts, Observers, Plugins, Event-Driven Architecture
  - Performance Optimization: Caching (Redis, Varnish), query optimization, index tuning
  - API Development: RESTful APIs, GraphQL, Swagger/OpenAPI Documentation
  - Microservices & SOA: Service-Oriented Architecture (SOA) for eCommerce systems
- **Frontend Development & Technologies**
  - Magento 2 UI Components: Knockout.js, RequireJS, PHTML Templates
  - Progressive Web Apps (PWA): Magento PWA Studio, React, Redux
  - GraphQL & AJAX: GraphQL APIs for data fetching, AJAX for real-time frontend updates
  - Frameworks and Headless CMS: Nextjs, Vue.js, Contentful, Strapi
- **Cloud Hosting & DevOps**
  - Cloud Services: AWS (EC2, RDS, S3, CloudFront, Lambda, Load Balancing), Alibaba Cloud, cPanel, Vercel, Netlify
  - CI/CD Pipelines: Jenkins, GitHub Actions, Bitbucket Pipelines
  - Containerization & Orchestration: Docker, Kubernetes
  - Version Control: Git, GitHub, Bitbucket
  - Content Delivery & Security: Cloudflare, AWS CloudFront for CDN and DDoS protection
- **Security & Performance**
  - Advanced Security Measures: Data encryption, CSRF/XSS protection, Content Security Policy (CSP)
  - SEO Best Practices: Structured data, meta tags, schema markup
  - Performance Monitoring: New Relic, Blackfire.io, AWS CloudWatch
- **Testing & Debugging**
  - Unit Testing & TDD: PHPUnit, PestPHP
  - Functional & Integration Testing: Selenium, Cypress, Playwright

- Performance Testing: Grafana K6, JMeter, Locust
  - **Database Management**
    - Relational Databases: MySQL, PostgreSQL
    - NoSQL Databases: MongoDB, DynamoDB
    - Database Optimization: Indexing, Query Optimization, Read Replicas
  - **Soft Skills**
    - Leadership & Team Collaboration
    - Problem Solving & Analytical Thinking
    - Effective Communication & Mentoring
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## WORK EXPERIENCE

### Senior Software Engineer – E futures PVT Limited

#### September 2024 – Present

- Led the Magento 2 development team for Airport Home Appliances (airportappliance.com), a high-traffic US-based eCommerce store.
- Developed custom modules, checkout enhancements, and performance optimizations.
- Implemented Redis caching, Elasticsearch, and Varnish for faster load times and scalability.
- Managed AWS-based hosting and server optimizations for better uptime and reliability.
- Integrated custom ERP solutions for real-time inventory, sales, and customer data sync.
- Mentored junior developers, ensuring best coding practices and high-quality deliverables.

### Associate Software Manager- NeoSolax PVT Limited

#### Oct 2020 - Sep 2024

- Built and maintained multiple high-traffic Magento 2 eCommerce websites, including Buyabans, Nomin, Bonz, J20, Chihuly, Arienti, Stripes and Checks, Kidooz, Biopak, and Vereina-Shop.
- Integrated AI-powered search for Magento 2, leveraging Flask (backend processing) and Django (admin dashboard).
- Performance Optimization: Improved MySQL queries, Redis caching, and Varnish configurations to enhance site speed.
- Custom ERP & API Integrations: Implemented real-time stock, sales, and customer synchronization with external ERP systems.
- Payment Gateway Customization: Developed custom payment methods supporting bank-specific discounts and promotions.
- Service-Oriented Architecture (SOA) Setup: Designed scalable hosting solutions using AWS, Alibaba Cloud, and cPanel-based infrastructures.



## PROJECTS

- Airport Home Appliances (2024 - Present) | Magento 2, AWS  
Led Magento 2 development and performance optimizations for a high-volume US-based store. Implemented custom checkout features, ERP integration, and caching improvements.
  - Developed an AI-powered search engine for Magento 2, improving search relevance and product discovery. (2023 - 2024) | Flask, Django, OpenSearch
  - Build and Maintenance of Various Magento 2 Projects (2020 - 2024)  
Integrated Magento 2 with multiple ERP systems for real-time inventory and sales data synchronization, developed custom payment solutions with dynamic bank discounts and real-time promotions, and contributed to high-traffic eCommerce platforms including Nomin (PWA Project), Buyabans, Bonz, Kidooz, J20 Sports, Chihuly, RHB, FHM, Arienti, Biopak, Stripes and Checks, and KDG Cars.
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## EDUCATION

- BSc (Hons) in Information Technology  
Sri Lanka Institute of Information Technology (SLIIT), Malabe 2016 - 2020
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## REFERENCES

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