**LAKHAN PALORE**

**SOFTWARE DEVELOPER**

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# PROFESSIONAL SUMMARY

# Backend-focused Full Stack Engineer with 4+ years of experience building scalable systems and contributing to distributed architectures. Passionate about AI research and decentralized technologies, with practical exposure to cloud computing, secure microservices, and system performance optimization. Eager to apply backend expertise toward open AI development, distributed training infrastructure, and collaborative model design.

# TECHNICAL SKILLS

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| --- | --- |
| **Programming Languages** | **:** Java, JavaScript, TypeScript, Python, SQL |
| **Database Systems** | **:** MSSQL, PostgreSQL, MySQL, MongoDB |
| **Cloud Platforms** | **:** Azure (Key Vault, Blob Storage, Ecosystem), AWS, GCP |
| **DevOps Tools** | **:** Jenkins, Docker, Kubernetes, GitLab, CI/CD Pipelines, Circle CI |
| **Frontend Development** | **:** React.js, React Native, AngularJS, TypeScript, JavaScript (ES6+), HTML5, CSS3 |
| **Backend Development** | **:** Node.js, Express, Flask, Kotlin, Spring Boot, Microservices, BFF |
| **APIs & Microservices** | **:** RESTful APIs, GraphQL, Event-Driven Systems |
| **Security** | **:** OAuth, JWT, Data Validation, Input Sanitization |
| **AI/ML Integration** | **:** Prompt Engineering, Agent Orchestration, Data Pipelines, LLM APIs |
| **Other Skills** | **:** RabbitMQ, Redis, Git, JIRA, Agile Development |

# PROFESSIONAL EXPERIENCE

**Ev buddy Inc. Remote, USA**

*Software Engineer August 2024 - Present*

* Designed and deployed scalable microservices using **Java + Spring Boot**, supporting real-time data integration with payroll domain (HCM) systems.
* Built and maintained **RESTful APIs** to enable secure communication between internal services and third-party payments platforms, improving system interoperability.
* Supported **data synchronization** workflows across multiple systems using MongoDB and messaging queues, reducing latency and improving data consistency.
* Refactored existing modules for maintainability and performance, decreasing production bug rates by **30%**.
* Collaborated with **frontend** engineers to support BFF-style service delivery and enhance cross-system communication.
* Collaborated with cross-functional teams including **QA, frontend, and DevOps** to define integration specs and deliver seamless backend functionality.
* Used **Git and GitLab CI/CD pipelines** for source control, versioning, and deployment automation.

**University of Cincinnati Cincinnati, OH, USA**

*IT Assistant December 2023 - August 2024*

* Analyzed and documented the Java codebase of the **I2P project**, an anonymous **network layer for secure communication**, improving understanding of **UML diagrams** and code workflows for debugging and enhancements.
* Designed and developed a Library Room Booking System with **React-based responsive UIs**, increasing user engagement by **25%** and integrating data-driven analytics for operational insights.
* Automated CI/CD pipelines using **GitHub Actions and Jenkins**, streamlining deployments and reducing release time by **70%**, while ensuring secure **API access with OAuth 2.0 and JWT authentication**.
* Implemented an automated notification system using **Twilio and AWS SES**, enhancing user communication for room bookings, cancellations, and reminders with real-time alerts.
* Researched and addressed security challenges in **anonymous communication systems**, gaining expertise in network security, design considerations, and debugging techniques.

**TATA CONSULTANCY SERVICES (TCS) India**

*Software Engineer August 2021 - August 2023*

* Reduced deployment failures by **40%** by orchestrating containerized microservices using **OpenShift and AWS**, integrated with **CI/CD pipelines** for automated delivery for a financial-client (Lloyds Banking Group).
* Accomplished enhanced user experience as measured by a **25% increase** in user engagement by developing frontend features using **React.js** and **AngularJS.**
* Re-architected legacy systems into microservices and containerized them using **Docker**, enhancing scalability and modular development.
* Increased code reliability by conducting **unit testing (JUnit)** and peer code reviews, ensuring adherence to clean code standards.
* Collaborated with internal teams to explore **ML model integration** for fraud detection logic; designed data pipelines and secured endpoints for real-time inference support
* Strengthened API security by implementing **OAuth2 and JWT**, safeguarding sensitive data in high-risk financial systems.

**CLASSIC ENGINEERING SOLUTIONS Remote, India**

*Full Stack Developer February 2020 - July 2021*

* Accomplished enhanced user experience as measured by a **25% increase** in user engagement by developing frontend features using **React.js** and **AngularJS** for Asset Management client.
* Scaled Skills: Advanced proficiency in **frontend frameworks** by building responsive and interactive **UIs** with **Backbone.js** and **jQuery**.
* Implemented **data validation** and **input sanitization** to prevent security vulnerabilities, ensuring compliance with industry standards.
* Collaborated with cross-functional teams to deliver scalable and secure web applications.

*Software Engineering Intern August 2019 - January 2020*

* Co-ordinated in the creation and testing of backend code in the programming **languages Java, Python, and Node.js**, assisting with the server-side core development.
* Directed the code review processes to ensure code quality and adherence to best practices, learning from feedback and improving coding skills.
* Processed system functionality by debugging and refining backend processes, which contributed to a smoother user experience; which was utilized by 12 developers for ongoing performance monitoring and optimizations.

# EDUCATION

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| --- | --- |
| **University of Cincinnati** | **December 2024** |
| *Master's, Information Technology* | *GPA: 4* |
| **Jawaharlal Nehru Technological University** | **June 2021** |
| *Bachelor's, Computer Science*  **CERTIFICATIONS** | *GPA: 3.1* |
| * Google Cloud Certified Associate Cloud Engineer (ACE) * Microsoft Certified: Azure Administrator Associate (AZ-104)   **ADDITIONAL SKILLS** |  |

* **Security:** Expertise in **OAuth, JWT, data validation, and input sanitization** to protect API endpoints.
* **Communication:** Strong verbal and written communication skills, with experience working in **remote and on-site environments.**
* **Collaboration:** Proven ability to work with cross-functional teams, including **frontend developers, backend developers, and security experts.**
* **Prompt Engineering & Evaluation Framework:** Built scripts to benchmark **LLM** performance across task-specific prompts using **OpenAI APIs (Python)**.