

Animesh Pandey

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SUMMARY

As a **Senior Software Engineer** with 6 years of experience, I specialize in **PHP**, and backend development, focusing on building scalable, high-performance applications. I have a solid background in designing testable, extensible systems, optimizing APIs, and applying **SOLID principles** and **TDD methodologies**. With expertise in **MySQL**, **PostgreSQL**, and **Docker**, I excel in creating robust **CI/CD pipelines** and maintaining high development standards through code reviews and best practices. I am passionate about mentoring junior developers, solving complex technical challenges, and continuously learning new technologies such as **DevOps tools** and **CMS Platform**.

SKILLS

Programming Languages & Frameworks

- **Languages:** Python, PHP, JavaScript, SQL, TypeScript, Dart, Golang
- **Frameworks:** Laravel, Lumen, Symfony, Drupal, Wordpress, Magento, Flask, Vue.js, React, Next.js, Node.js, Selenium
- **API Development:** RESTful, GraphQL, 3rd-Party Integrations
- **Data Structures & Algorithms:** Strong knowledge of object-oriented programming and complexity theory
- **Microservices & Architecture:** Monolith and Microservices architecture

Tools & Technologies

- **Databases:** MySQL, PostgreSQL, MongoDB, Elasticsearch
- **Infrastructure:** Docker, Kubernetes, AWS, RabbitMQ, Digital Ocean, LAMP stack, DNS, firewalls, load balancing
- **Version Control & CI/CD:** Git, PHPUnit, CI/CD Pipelines, unit testing
- **Agile Development:** SCRUM methodologies, Code Reviews, Testing (Unit/Integration)

EXPERIENCE

Sr. Software Engineer

Red Airship

July 2022 - July 2024, Singapore

- Led backend and frontend development, creating **scalable, performance-optimized solutions** for complex applications.
- Worked closely with cross-functional teams to design and implement **microservice architectures** using **Python, PHP, Vue, React**, and **TypeScript**.
- Enhanced **database queries** and UI components to improve **application efficiency**, ensuring an optimal **user experience**.
- Conducted **code reviews** and implemented **best practices** like **clean code**, **testing** (unit/integration), and **agile methodologies** to maintain high-quality development standards.
- Collaborated on project requirements and development lifecycle, ensuring smooth client interactions and alignment with **business goals**.

Sr. Software Engineer

Hazesoft

March 2020 - July 2022, Baneshwor

- Led backend development with a focus on **PHP, Python** and **MySQL**, ensuring high scalability and performance.
- Developed and optimized microservices architecture using **Docker** and **Kubernetes**, delivering innovative marketing solutions.
- Spearheaded the transition from **monolithic** to **microservices architecture**, significantly improving system performance and efficiency.
- Developed **RESTful APIs** and integrated **third-party services** for diverse client requirements, ensuring **scalable software products**.
- Played a key role in **designing system architecture**, implementing **best practices** like **testing** and **code reviews** to deliver robust solutions.

Web Developer
Karkhana

December 2017 - March 2020, Gyaneshwor

- Contributed to both backend and frontend development using **PHP**, **JavaScript**, and **SQL**, delivering **user-friendly applications** in a **fast-paced environment**.
- Implemented robust, **data-driven solutions** to enhance **user interaction** and streamline content management systems.
- Worked closely with stakeholders to gather requirements and deliver efficient, **scalable web applications**.

PROJECTS

AQUA Expeditions

Senior Software Engineer • www.aquaexpeditions.com/

- Developed backend using **PHP**, ensuring seamless functionality for the booking platform.
- Implemented **CI/CD pipelines** with **Docker** to ensure continuous integration and testing.

SSN

Senior Software Engineer • startupsg.gov.sg/

- A platform bolstering Singapore's startup ecosystem, and enhancing tech startup collaborations in Singapore.

Lugmety

Api and backend Developer • lugmety.com/

- Built **PHP-based microservices** for order management, optimizing database interactions with **MySQL**.
- Used **TDD** to ensure high code quality, utilizing **PHPUnit** for continuous testing.

SpaceTogether

Full Stack Developer • spacetogether.com/

- Developed API and backend for space rental platform using **PHP** and **MySQL**.
- Implemented **SOLID design patterns** to create extensible, maintainable code.

Keppler Hosting

Api and backend Developer • customerv2.keplerhosting.cloud

- This application provides hosting features for WordPress, React, and E-commerce applications.

EDUCATION

Master's degree in Computer Science

University of Wolverhampton • Wolverhampton, UK • 2025 - present

Bachelor's degree in Computer Science and Information Technology

St. Xavier's College • Maitighar, Kathmandu • 2015 - 2019

High School with Physics as a Major

St. Xavier's College • Maitighar, Kathmandu • 2012 - 2015