

MAINALI SHITAL

Osaka, Japan

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SUMMARY

- 3+ years of experience of designing, developing and testing software using **PHP**.
- 2+ years of experience in **unit, performance, stress, regression, web, UI, API testing**
- 2+ years of experience in **developing PSQL Scripts**.
- Experience with testing web application and web services in highly distributed environment
- Experience with testing with automation tools like MagicPod.
- Experience with agile development methodologies like Scrum.
- Knowledge of software design and development using various **Design Patterns**
- Experience in designing web pages using HTML, CSS and JavaScript
- Highly motivated self-starter with good communication and interpersonal skills
- Excellent analytical and quick problem-solving skills
- Strong knowledge of the technology and the software industry
- Good understanding of software development life cycle and experience with full product ship cycles

EDUCATION

- **BSc (Hons) Computer Systems Engineering, University of Sunderland**
Graduation Year : August 2023

TECHNICAL SKILL

Languages	PHP(Master), Python (Intermediate), JavaScript (Intermediate)
Database	PostgreSQL, Microsoft SQL Server, MySQL,
Cloud and other Tools	AWS, Docker, Swagger, Google Analytics
Source Control Tools	GIT
Framework	Laravel, Django, React JS, Vue JS
IDE	Cursor, PHPSTROM, VS Code.
Scripting Languages	Shell Script, HTML, CSS, JavaScript
Testing	Test Plan, Test Cases, Test Automation
Testing Tools	MagicPod, Selenium
Methodologies	Agile, Scrum

PROFESSIONAL EXPERIENCE

株式会社ギフトパッド

Feb 2024 – Present

Product Development Team

Position: Backend Software Engineer

Responsibilities/Accomplishments:

- Drove the end-to-end backend development for a core system project, personally contributing over 70% of the codebase while working directly with the team lead.
- Authored comprehensive technical design documents and screen design specifications, translating business requirements into a scalable system architecture.
- Engineered and managed the deployment pipeline for testing and staging environments on AWS, ensuring smooth and reliable release cycles.
- Ensured code quality standard by writing clean, maintainable code, actively participating in code reviews, and implementing a thorough testing cycle with both manual and automated tests.
- Developed robust integration solutions with third-party services, including a complex e-ticketing system and a multi-vendor e-commerce platform, to ensure seamless data flow and functionality.
- Designed and implemented a custom command for large-scale data importation, successfully processing and validating over 100,000 records from a CSV file in under five minutes.

Technical Environment: Docker, Laravel, PostgreSQL, AWS, Swagger

Herald Education Foundation.

November 2020 – November 2022(Part Time)

IT Department

Position: IT Consultant

Responsibilities/Accomplishments:

- Architected and executed the IT strategy and technology roadmap, aligning system development and infrastructure with the foundation's educational goals.
- Led the end-to-end implementation of key digital platforms, including the official school website and a new Learning Management System (LMS).
- Directed a team of designers and developers to create digital marketing campaigns, enhancing brand awareness and contributing to student enrollment growth.
- Managed the successful integration of the LMS with existing school systems, providing seamless and reliable data access for over 10 faculty and 3200+ students.
- Developed and delivered technology training programs for staff, boosting the adoption and effective use of new educational tools and software.
- Managed technology vendor relationships and partnerships to leverage external resources, drive innovation, and ensure cost-effective solutions.

Technical Environment: PHP, Ajax, MySQL, React JS, Google Analytics

Panini Education Foundation

August 2019 – October 2022

November 2022- December 2023

IT Department

Position: Head of IT Department &
Programming Instructor

Responsibilities/Accomplishments:

- Architected and executed the comprehensive IT strategy, collaborating with school leadership to define the technology roadmap, prioritize projects, and manage the entire IT infrastructure, including networks, hardware, and software.
- Led the end-to-end development and implementation of critical school systems, including the public website, a Learning Management System (LMS), a student result-processing system, and a new

financial accounting platform.

- Oversaw all IT operations and security, implementing robust cybersecurity measures and establishing policies to ensure compliance with data privacy laws and regulatory requirements.
- Directed a cross-functional team of designers and developers to create digital marketing campaigns and promote IT initiatives, enhancing the school's brand and supporting student enrollment.
- Developed and delivered technology training programs for faculty and staff, boosting the adoption and effective use of new educational tools and software.

Technical Environment: Django, React JS, Vue JS, MYSQL.

OTHER PROJECTS –College Projects/ Freelance Projects

- Developed websites using Laravel and Vue JS for educational institutes like: **Orient College of Science and Technology**.
- Developed a website using HTML, CSS ,JS and PHP for: **Hideout Restro**.
- Developed E-Commerce Site, POS and Inventory System using Django, React JS for **S3G Electronics**.
- Developed Issue Tracker App and Accounting System using Django and Postgres for Service Based Company **Aniveda Animations**.
- Developed Assignment Management System and Beacon Management System as part of a college project using C# and MS SQL.
- Assisted Module Instructor in designing and building a Library Management System using PHP and MySQL as a part of Module: **Advance Database**
- Developed the BabyBuy Android Mobile Application using Java and Sqlite .
- Developed Image Recognition Software using Python CNN and OpenCV.
- Developed a Live Streaming Platform using WebRTC, MySQL, Ratchet, Laravel and Vue.js , along with state management library Redux.