

JAMES PANDEY

pandeyjames@outlook.com

Mobile: +351920028618

Address: Rua Artur Ferreira da Silva, N° 15, Lisboa, Portugal, 1885-011

LinkedIn: linkedin.com/in/pandeyjames

GitHub: github.com/pandeyjames



Software Engineer with 5+ years of experience in full-stack development, backend architecture, AR/VR applications, and cross-platform software systems. Currently working at LusoSpace in Portugal on aerospace and European Space Agency (ESA)-related software projects involving Unity, C#, Docker, REST APIs, and cloud-integrated engineering solutions.

PROFESSIONAL EXPERIENCE

Software Engineer – AR/VR & Backend Systems (Aerospace)

LusoSpace – Aerospace Technology Lda, Lisbon

September 2022 to Present

- Developed AR/VR software systems for aerospace and ESA-related applications using Unity and C#.
- Utilized Docker containerization for scalable deployment and maintainable software architecture.
- Contributed to technical proposal writing and engineering documentation for European Space Agency (ESA)-related projects.
- Excelled in Android/UWP/Desktop multi-platform application development with Unity and Android Studio, ensuring high performance across platforms.
- Developed Python-based automation and engineering modules for data processing, tooling, and system integration tasks.
- Designed, developed, and maintained backend systems and REST APIs.
- Developed and customized Odoo ERP modules and workflows for business process automation inhouse CRM and ERP.
- Developed and maintained cross-platform desktop applications using Electron and modern web technologies.
- Contributed to DevOps workflows and CI/CD pipeline integration for scalable software deployment and maintenance.

Full Stack Web Developer

Megasites Lda Consultoria de Internet, Almada, Portugal

January 2020 to October 2022

- Contributed as a full-stack web developer within a collaborative team.
- Undertook projects spanning e-commerce, business solutions, web and desktop applications.
- Primarily focused on streamlining e-commerce processes across various platforms.
- Executed REST API integrations for diverse systems and ERPs.
- Involved in developing modules for integrating payment gateways such as Skrill, Ifthenpay, and Easypay into Megasites' in-house CMS.
- Developed full-stack business applications and integrations using PHP/Laravel, JavaScript/TypeScript, REST APIs, and modern frontend frameworks.
- Designed and integrated RESTful APIs and third-party services for e-commerce and business automation platforms.
- Developed Python-based solutions using Django and Flask, including automation and data scraping systems with Selenium and Scrapy.
- Proficient in version and source control using GIT and Team Foundation Server in Visual Studio.

Aerospace Engineer

Northern Light Academy of Aviation & Technology (NAAT), Kathmandu, Nepal

August 2015 to August 2016

- Worked as an Engineer for the research and development program for preparation of courses and practical training for pilot, cabin crew and Aircraft Maintenance Engineers (AME) according to EASA regulations.

Engineer

Reinforce Consult Pvt. Ltd. Sitapaila, Kathmandu, Nepal

September 2014 to August 2015

- Major duties included management of systems and networks, office operations, field surveys, report preparation, drawings, scheduling, and meeting coordination.

EDUCATION

Master's Studies in Computer Science and Engineering Design (Incomplete)

Arctic University of Norway (UiT), Campus Narvik – August 2016 – August 2019

Narvik, Norway

Bachelor's Degree in Aerospace Engineering (B.E) – Aircraft & Rocket Construction and Design

National Aerospace University (Kharkiv Aviation Institute, "Khai"), Ministry of Science and Education – June 2014

Kharkiv, Ukraine

Diploma in Engineering – Computer Engineering

Acme Engineering College, Council for Technical Education and Vocational Training (CTEVT) – December 2009

Kathmandu, Nepal

TECHNICAL SKILLS

- Languages: C#, Python, PHP, JavaScript, TypeScript, C++, Java
- Frameworks & Technologies: Unity, OpenXR, Laravel, ASP.NET Core, Node.js, Django, Flask, REST APIs, Docker, CI/CD Pipelines, DevOps Practices, Electron, and Odoo ERP
- Frontend: Vue.js, React, Bootstrap, jQuery
- Database: MySQL, MSSQL, PostgreSQL, MongoDB
- Tools: Git, Visual Studio, VS Code, Android Studio, Qt
- Engineering: Design Thinking, Problem Solving, CAD, Data Modeling & Analytics, Unit Testing, Technical Evaluation & Reporting, Research & Development, System Architecture Design, Database Modeling & Planning

LANGUAGES

Nepali (Native), English (Fluent), Hindi (Fluent), Russian (Basic), Norwegian (Basic), Portuguese (Basic)

TITLE, AWARDS & SCHOLARSHIPS

-**Intelligent Scholarship** as class topper during studies in Acme Engineering College, Kathmandu, Nepal

-(MCP) **Microsoft Certified Professional** with (MTA) Microsoft Technology Associate (Windows Server Administration)

PROFESSIONAL EVENTS AND VOLUNTERING

-**Volunteer** "Web Summit 2022": Experienced one of the largest conference web summits in Lisbon, Portugal

-Space Tech Expo 2024 - Bremen Germany, Represented LusoSpace and showcased AR for Maintenance and AR for Collaborative Design Solutions

ACCREDITATION

Nepal Engineering Council – Registered Engineer, Regd. No. 357 'Aeronautical' 'A' Category

WORK AUTHORIZATION / RELOCATION

Open to relocation and international opportunities.