

Arjun Ravindra

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OBJECTIVE

Result driven Python Developer with 7 plus years of diverse experience in Python, Java, and Cloud Computing. Known for strong analytical thinking, critical problem-solving abilities, and a proactive mindset. Adept at delivering high-quality solutions in fast-paced, deadline-oriented, and highly regulated environments. Demonstrates a consistent ability to respond to complex challenges with innovative design and development strategies. Committed to continuous learning and professional growth, with a passion for driving both personal and organizational success. Recognized for excellent communication, leadership, planning, coordination, and project management skills, coupled with a strong work ethic and enthusiasm for new opportunities.

EXPERIENCE**LTech Solutions Private Ltd****Python Developer (Jan 2022 to Present)**

- Spearheaded Agile methodologies to streamline development workflows, ensuring alignment with stakeholder goals and accelerating project delivery.
- Collaborated cross-functionally with stakeholders, product owners, and development teams to gather requirements and deliver robust solutions.
- Designed, developed, and maintained scalable web applications using Python and the Django framework, focusing on clean architecture and performance.
- Proactively identified and resolved performance bottlenecks and software bugs, significantly improving system efficiency and user experience.
- Built and maintained comprehensive unit and integration test suites, ensuring high test coverage and application reliability.
- Ensured secure and compliant software practices by managing platform security and adhering to coding standards.
- Wrote clear, maintainable, and well-documented code, enabling smooth collaboration and knowledge transfer across the team.
- Utilized Git / GitHub for source control; created and reviewed pull requests, and ensured proper versioning and release management.

- Actively participated in daily Scrum standups, sprint planning, and retrospectives, contributing to continuous delivery in an Agile environment.
- Managed CI/CD pipelines using Jenkins, automating build, test, and deployment processes to reduce manual intervention and speed up releases.
- Followed Agile development practices and tracked project progress through JIRA, ensuring transparency and timely delivery of tasks.
- Optimized existing codebases by refactoring legacy code, improving readability, performance, and testability across modules.

Microhaze Technologies Private Limited

Java Developer (Aug 2019 to Nov 2021)

- Design, implement, and maintain high-performance, low-latency Java applications for mission-critical systems.
- Develop clean, efficient, and testable code adhering to industry standards and best practices.
- Ensure high availability, scalability, and performance of enterprise-grade applications.
- Conduct thorough software analysis, programming, debugging, and unit/integration testing.
- Lead and manage the full software development lifecycle of Java and Java EE applications.
- Collaborate on architecture decisions and ensure that application designs align with technical specifications.
- Plan, prepare, and execute production-ready software releases and deployments.
- Proficient in Java, with knowledge of its libraries and surrounding ecosystems.
- Strong foundation in Object-Oriented Programming (OOP) principles, design patterns and best practices.
- Experience implementing architectural and design patterns, ensuring modular and maintainable code.
- Skilled in developing reusable Java libraries to enhance code reusability and maintainability.
- Working knowledge of Java concurrency and multithreading patterns for robust application performance.
- Hands-on experience with frameworks such as Spring and Spring Boot.

- Strong ability to write clean, readable, and well-documented code that facilitates collaboration and future maintenance.

LongTail Web Services

Cloud Computing Engineer(Jan 2017 to May 2019)

- In-depth understanding of cloud service models including SaaS (Software as a Service), IaaS (Infrastructure as a Service), and PaaS (Platform as a Service).
- Skilled in working with APIs (Application Programming Interfaces) to enable integration across cloud platforms and services.
- Hands-on experience in DevOps methodologies, including continuous integration, continuous deployment, and infrastructure automation.
- Foundational knowledge in networking concepts, cloud networking, and network security best practices.
- Familiar with AI/ML concepts and their integration with cloud platforms for intelligent automation and data-driven services.
- Experienced in containerization and orchestration technologies like Docker and Kubernetes for deploying scalable cloud-native applications.
- Working knowledge of popular DevOps tools such as Jenkins, Chef, Puppet, and Ansible for configuration management and automated deployments.
- Skilled in multi-cloud management strategies and data integration across platforms like AWS, Azure, and Google Cloud.
- Familiar with databases including MySQL, MongoDB, and big data technologies such as Hadoop.
- Capable of monitoring cloud application performance, optimizing resource utilization and cost, and generating actionable insights from complex cloud data.

TECHNICAL SKILLS

Description:

- Application Development: Massive exceptional experience in application development, encompassing design, coding, testing, troubleshooting, and seamless implementation.

- Backend Architecture: Proficient in designing and developing scalable backend architectures, ensuring the robustness and performance of applications.
- Optimizing Performance: Demonstrated ability to fine-tune APIs and database queries for high-performance applications, enhancing user experience and responsiveness.
- Version Control: Proficient in version control using Git, adept at managing server and client app versioning to provide seamless updates while maintaining backward compatibility.
- Cloud Hosting: Experienced in hosting and maintaining backend application servers on Amazon Web Services (AWS) and OpenShift Container Platform, ensuring reliability, scalability, and security.
- Agile Methodology: Proficient in working within an Agile development environment, emphasizing collaboration, adaptability, and iterative development for efficient project delivery.

Programming Languages:

Python , Java, JavaScript, TypeScript, SQL

Frameworks & Libraries:

Django, FastAPI, Flask, Spring, Spring Boot, Hibernate, SQLAlchemy, React, Angular 2+

Web & Backend Development:

RESTful APIs, Microservices Architecture, Nginx, Gunicorn, Apache, JSON, XML, CSV

Data Science & Machine Learning:

Pandas, NumPy, SciPy, Matplotlib, Scikit-learn, TensorFlow, PyTorch

Databases & Storage:

PostgreSQL, MySQL, MongoDB

DevOps & Cloud Technologies:

Docker, Kubernetes, Jenkins, CI/CD Pipelines, AWS ,GCP ,Microsoft Azure (as applicable)

Testing & Quality Assurance:

PyTest, Unittest, Postman, Automated Testing & QA

Version Control & Collaboration:

Git, GitHub, JIRA, Agile Software Development

Development Environments:

PyCharm, Visual Studio Code, IntelliJ IDEA, Jupyter Notebook, RStudio

Other Tools & Platforms:

Microsoft 365, Windows OS, macOS

PROJECTS

- **E-commerce Web Application (Python)**

Developed a full-featured e-commerce platform with product browsing, cart, checkout, and order management features. Implemented user authentication, session-based cart logic, and an admin dashboard for product and order management using Django ORM and MVT architecture.

- **Tools & Technologies :** Python, Django, Django ORM, SQLite, Bootstrap/Tailwind, Django Sessions, Authentication & Authorization

- **Roles & Responsibilities:**

- Built core modules for products, cart, and checkout using Django's MVT architecture.
- Implemented user authentication, authorization, and session-based cart logic.
- Designed responsive UI using Bootstrap/Tailwind for a seamless user experience.
- Integrated Django ORM for efficient database management and CRUD operations.
- Configured and customized the Django Admin panel for inventory and order control.

- **Blog Platform with User Authentication and Comments (Python)**

Developed a dynamic blog application enabling user registration, authentication, post creation, editing, and commenting features. Integrated Django Admin for content and user management, and designed efficient data models using Django ORM.

- **Tools & Technologies:** Django, SQLite, Django Auth, Django Admin, HTML/CSS, Django ORM (CRUD)

- **Roles & Responsibilities:**

Designed and implemented user authentication and authorization using Django Auth.

- Developed CRUD functionalities for blog posts and comments.
- Created responsive front-end interfaces using HTML and CSS.
- Utilized Django ORM for efficient database modeling and data handling.
- Configured and managed the Django Admin panel for content moderation and user management.

- **Rock Paper Scissors (Python)**

Developed a command-line Rock, Paper, Scissors game where the user competes against the computer. Implemented core game logic using conditionals, loops, and randomization to determine outcomes and ensure interactive gameplay.

- **Tools & Technologies:** Python, Random Library, Control Flow, Conditional Handling, CLI Interaction

- **Roles & Responsibilities:**

- Designed game logic and implemented user-computer interactions via CLI.
- Utilized Python's random module for generating computer choices.
- Applied conditionals and control flow for result evaluation and game progression.
- Structured code modularly to improve readability and reusability.

- **Tic Tac Toe (Python)**

A terminal-based Tic Tac Toe game that allows two players to alternately place symbols on a 3x3 grid, featuring real-time updates, win/draw detection, and input

validation. Demonstrates procedural programming, data structure manipulation, and interactive game logic implementation.

- **Tools & Technologies:** Python, Lists/Nested Lists, Command-Line Interface (CLI)

- **Roles & Responsibilities:**

- Designed and implemented a two-player CLI-based Tic Tac Toe game.
- Developed game logic for turn-based play, win/draw detection, and input validation.
- Managed game state using Python data structures and control flow mechanisms.
- Enhanced user experience with real-time board updates and smooth interaction.

- **Simple Calculator (Python)**

A command-line calculator application that performs basic arithmetic operations with input validation and error handling, demonstrating control flow, function implementation, and exception management in Python.

- **Tools & Technologies:** Python, Functions, Control Flow, Exception Handling, Command-Line Interface (CLI)

- **Roles & Responsibilities:**

- Developed a command-line interface (CLI) calculator to perform addition, subtraction, multiplication, and division.
- Implemented arithmetic operations and control flow using if-elif-else statements.
- Handled user input validation and exceptions, including division by zero, to ensure robust functionality.
- Structured the program into modular functions for improved readability and maintainability.

- **Number Guessing Game (Python)**

A terminal-based game where the user guesses a randomly selected number, receiving hints until the correct answer is found. Demonstrates control flow, input validation, and interactive command-line programming in Python.

- **Tools & Technologies:** Python, random module, Loops, Conditionals, Command-Line Interface (CLI)
 - **Roles & Responsibilities:**
 - Developed a CLI-based number guessing game with interactive user-computer gameplay.
 - Implemented core logic using loops, conditionals, and Python's random module.
 - Ensured input validation, handled edge cases, and provided real-time hints for smooth gameplay.
 - Wrote clean, modular code emphasizing readability and maintainability.
- **Console based Railway Reservation System (Java)**

A console-based multi-class application simulating train ticket booking, cancellation, and viewing. Demonstrates object-oriented design, use of Java Collections, file-based data persistence, and modular programming practices.

 - **Tools & Technologies:** Core Java, Collections (ArrayList, HashMap, Set), File I/O, Serialization, IntelliJ IDEA, OOP
 - **Roles & Responsibilities :**
 - Developed a console-based railway reservation system with role-based access (Admin & Passenger).
 - Implemented functionalities for train management, ticket booking/cancellation, and ticket viewing.
 - Utilized Java Collections (ArrayList, HashMap, Set) for data management and File I/O for persistence.
 - Applied OOP principles to design modular, maintainable components like Train, User, Ticket, and Reservation Service.
- **Inventory Management System (Java)**

A console application that manages store inventory with persistent storage and CRUD functionality. Demonstrates object-oriented design, file handling, exception management, and modular programming in Java.

- **Tools & Technologies:** Core Java, File I/O (FileReader, BufferedReader, ObjectInputStream/OutputStream), Collections (ArrayList), Exception Handling, IntelliJ IDEA

- **Roles & Responsibilities:**

- Developed a console-based inventory management application for adding, updating, deleting, searching, and listing items.
- Implemented CRUD operations with Java Collections (ArrayList) and iterators.
- Managed file-based data persistence using File I/O and serialization.
- Incorporated exception handling for robust input/output operations.

ATM	Interface	(Java)
A terminal-based ATM simulation supporting PIN authentication and basic banking operations. Demonstrates control flow, user input handling, loops, and procedural programming	in	Java.

- **Tools & Technologies:** Core Java, IntelliJ IDEA, Control Flow (if-else, switch-case), Loops (while/do-while), Scanner

- **Roles & Responsibilities:**

- Developed a console-based ATM simulation allowing users to log in with a PIN and perform basic banking operations.
- Implemented control flow logic for deposit, withdrawal, balance check, and session management.
- Managed user input using Scanner and ensured smooth navigation through menus.
- Applied loops and conditional statements to handle repetitive operations and menu options.

- **Deploy a Kubernetes Cluster with Terraform and Host a Scalable Application (*Cloud Computing*)** Automated the provisioning of a scalable Kubernetes cluster on AWS using Terraform and deployed a containerized application with auto-scaling, rolling updates, and load-balanced service exposure. Demonstrates cloud infrastructure automation and container orchestration best practices.

- **Tools & Technologies:** Terraform, Kubernetes, AWS (EKS, EC2, VPC, Security Groups), Docker, Deployments, Services, Ingress, ConfigMaps, Horizontal Pod Autoscaling
- **Roles & Responsibilities:**
- Provisioned and deployed a Kubernetes cluster on AWS using Terraform for infrastructure automation.
- Deployed a containerized application with Kubernetes, implementing Deployments, Services, Ingress, and ConfigMaps.
- Configured Horizontal Pod Autoscaling for dynamic scalability and ensured rolling updates without downtime.
- Managed cloud networking and security configurations, including VPC, subnets, and security groups.
- **Deploy a Containerized Nginx Server Using Docker on AWS EC2 (Cloud Computing)**
Deployed a containerized Nginx web server on AWS EC2 using Docker, demonstrating cloud provisioning, containerization, and remote deployment practices for scalable and portable web applications.
- **Tools & Technologies:** AWS EC2, Docker, Nginx, SSH, Security Groups, Key Pairs, IAM, VS Code
- **Roles & Responsibilities:**
- Provisioned an AWS EC2 instance and configured security settings (Security Groups, Key Pairs, IAM).
- Containerized and deployed an Nginx web server using Docker for scalability and portability.
- Managed remote access and deployment workflows via SSH and terminal tools (PuTTY, VS Code).
- Ensured smooth operation and accessibility of the web server in a cloud environment.
- **Host a static website on Amazon S3(Cloud Computing)**
Hosted a fully static website on Amazon S3, demonstrating cloud-based static content delivery, bucket configuration, and secure access management without a traditional web server.

- **Tools & Technologies:** HTML, CSS, JavaScript, AWS S3, IAM, VS Code
- **Roles & Responsibilities:**
- Developed and deployed a static website using HTML, CSS, and JavaScript.
- Configured Amazon S3 bucket for public hosting with proper permissions and routing.
- Managed access control using AWS IAM and ensured secure, scalable deployment.
- Optimized cloud resources for cost-effective and highly available static content delivery.

ACADEMIC QUALIFICATIONS

- **Bachelors in Engineering in CSE from Visvesvaraya Technological University (VTU) in 2015.**

DECLARATION

I hereby declare that all the details mentioned above are true to the best of my knowledge and belief.

(Arjun Ravindra)

