Prashant Shekhar Mishra

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Summary: Software engineer with expertise in end-to-end software development, microservices architecture, and API design. Adept at optimizing system performance, scalability, and security. Skilled in utilizing a variety of programming languages and frameworks to develop robust applications.

Education

Yeshwantrao Chavan College of Engineering, Nagpur
Bachelor of Engineering in Information Technology

Graduation: June 2022 | CGPA: 9.2/10

Experience

Persistent Systems, Pune
Senior Software Engineer | June 2022 – Present

- Developed high-performance, scalable web applications using **Spring Boot** and **Django**.
- Designed and implemented a **microservices architecture**, improving system scalability and maintainability.
- Integrated **AWS pre-signed URLs** for efficient file uploads in Django, reducing latency and improving performance.
- Optimized **Django REST API** performance by upgrading **caching mechanisms**, resulting in faster response times.
- Implemented **rate-limiting** to enhance API security and system stability.
- Developed a secure **multi-factor authentication (MFA)** API for **OTP extraction**.
- Followed **OWASP security guidelines** to identify and fix vulnerabilities, ensuring application safety.
- Worked with **ReactJS** to fix UI bugs, improving the **user experience** and interface quality.
- Added new **services** and **pages** to existing projects, contributing to the platform's growth and feature expansion.
- Improved **Docker dependency compatibility**, enhancing system efficiency and stability.
- Developed a **Perl script** for **load testing** API endpoints, automating performance testing to ensure system scalability and reliability.

Persistent Systems, Pune
Software Engineer Intern | January 2022 – June 2022

- Worked as part of a **full-stack development** team, using **Java** for back-end development and **React** for front-end development.
- Developed **Java-based web applications**, including **RESTful APIs** and business logic for backend functionality.
- Created **interactive front-end components** using **ReactJS**, integrating them seamlessly with **Java back-end services**.
- Contributed to the full **Software Development Life Cycle (SDLC)**, collaborating with senior developers on design, coding, and testing.

- Completed an intensive **Java development training** program, mastering **core Java concepts**, **Spring Boot**, and **front-end frameworks**.
- Earned an **A+ grade** for exceptional performance and contributions during the internship.

Skills

- **Programming Languages**: Python, Java, JavaScript, TypeScript, SQL, Perl, C, C++
- **Frameworks**: Spring Boot, Django REST Framework, ReactJS, JPA, Hibernate, Maven, ORM, JDBC
- **Databases**: MySQL, MongoDB, Microsoft SQL Server, Memcached
- **Tools & Platforms**: Linux, Docker, Git, GitHub
- **Cloud**: AWS (Amazon Web Services)
- **Development Practices**: Agile, Microservices Architecture, API Design

Projects

Fraudulent Resume Detection

- Developed a **web-based application** for efficiently screening and managing resumes.
- Utilized **Natural Language Processing (NLP)** to extract data from resumes and **machine learning** to accurately compare and filter this information, enhancing the screening process.
- Technologies: Python, HTML, CSS, JavaScript, NLP, machine learning.

Certifications & Achievements

- **Microsoft Azure Fundamentals (AZ-900)**
- **Gen AI Assisted Coding: Using Amazon Code Whisperer**
- **HackerRank Certifications**: Problem-solving, Python, SQL, Java
- **Udemy Certifications**: Java, SQL, Python, machine learning.
- **Bravo Award**: Consistent, high-quality work