Prajwal Karunesh Mishra

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SUMMARY

Innovative Software Engineer with robust experience in developing scalable services and enterprise-level solutions. Proficient in Java, Python, and JavaScript, with strong skills in React and Angular. Skilled in object-oriented design, data structures, algorithms, and distributed technologies. Adept at working in fast-paced, team-based environments, delivering high-quality software solutions.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, HTML5, CSS3, PL/SQL, C++

Libraries & Frameworks: ReactJS, NodeJS, AngularJS, Spring, FastAPI, BeautifulSoup, Selenium, Express, Django.

Tools: AWS, Hadoop, Eclipse, Visual Studio, MySQL, Neo4j, MongoDB, PostgreSQL, WinSCP, PuTTy, Git Version Control, Docker

PROJECTS

To-Do List   GitHub
A dynamic app for efficient task management and secure user access.   *ReactJS, NodeJS, ExpressJS, MongoDB*
- Developed a to-do list app with **React.js, Next.js, Node.js, and Tailwind CSS**, enabling add, edit, and delete functionalities.
- Implemented real-time task updates using **React hooks and Context API.**
- Configured **Express.js server and RESTful APIs**, integrating **MongoDB** for secure data storage.

Command Line Interface Calculator   GitHub
A REPL-based calculator with plugin support and advanced data handling.   *Python, Pandas, Logging, REPL*
- Developed a REPL interface for arithmetic operations and dynamic plugin integration.
- Implemented adaptable **logging with severity levels** and environment-based configuration.
- Utilized **Pandas** for managing calculation history (load, save, clear, delete).

User Management System   GitHub
A User management system using Python, FastAPI and PostgreSQL.   *Python, FastAPI, PostgreSQL, Docker*
- Developed a user management system with **Python and FastAPI**, implementing secure OAuth2 authentication.
- Integrated **PostgreSQL** for efficient database management using **SQLAlchemy ORM.**
- Configured a CI/CD pipeline using **GitHub Actions and Dockerized** the application.

EXPERIENCE

Software Development Engineer   April 2021 – April 2023
Tata Consultancy Services   *Mumbai, INDIA*
- Developed software solutions in collaboration with cross-functional teams using **Java, Spring, and MySQL.**
- **Automated deployment workflows** and Business-As-Usual (BAU) operations using Shell and Bash scripts.
- Configured and maintained **25+ Linux servers (Ubuntu, Red Hat)**, deploying automated backup solutions via cron jobs.
- Created and integrated **AJAX APIs** to expand the functionalities of the application for third-party vendors.

EDUCATION

New Jersey Institute of Technology   Newark, NJ
Master's in Computer Science   *Aug 2023 – May 2025*

University of Mumbai   Mumbai, INDIA
Bachelor of Engineering in Information Technology   *Aug 2016 – May 2020*

ACHIEVEMENTS AND RECOGNITION

- Special Initiative Award - Identified and resolved critical issues in production.