PRANAV PRATHEEK MALLEBOYINA

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PROFESSIONAL SUMMARY

Release and CI/CD-focused Software Engineer with 6+ years of experience in release management, Git workflow standards (GitFlow, semantic versioning), GitHub Actions pipelines, build and installer packaging, and production troubleshooting, backed by Full stack web development, Android and Agile practices. Proficient in Python, Java, JavaScript and SQL with expertise in building scalable, production-ready systems that support business growth.

TECHNICAL SKILLS

- **CI/CD & Release Engineering**: GitHub Actions Workflows, CI/CD Pipelines, Release Management, Build Automation, Build/Test/Deployment Coordination, Pipeline Compliance Checks, Production Release Stability
- **Version Control & Branching**: Git, GitHub, GitFlow, Branching Strategies, Semantic Versioning, Conventional Commits, Pull Requests, Code Review, Merge and Version Conflict Resolution
- **Build & Packaging**: WiX Toolset, MSI Installers, PyInstaller, Custom Installation Actions, Windows Registry Configuration, Post-Install Automation
- **Testing & Quality**: JUnit, Unit Testing, Test-Driven Development (TDD), Beta Testing, Defect Resolution
- **Monitoring & Troubleshooting**: Root Cause Analysis, Debugging, Application Logging, Production Support, Multi-threaded Debugging
- **Security Hygiene**: Dependency Vulnerability Remediation, npm audit, Patch Management, Secure Dependency Upgrades
- **Languages**: Python, Java, VB.NET, Kotlin, C++
- **Web Technologies**: JSON, XML, Microservices, HTML5, CSS3, JavaScript,Markdown
- **Frameworks**: Spring Boot, ASP.NET, Flask, Django, Angular, React, Node, Next, Jetpack Compose
- **Databases**: SQL Server, MySQL, MongoDB, Firebase
- **Developer Tools**: Linux, Windows, GitHub, Git, GitHub Actions, VS Code, Eclipse, Splunk, Android Studio, JUnit
- **Methodologies**: Agile, Test-Driven Development (TDD), Scrum, SDLC, DevOps

WORK EXPERIENCE

EyeKon Technology Inc. **Jun 2026 - Present**
Senior DevOps Engineer *Richardson, TX, USA (Remote)*

- Own end-to-end release management across every product release, coordinating build, test and deployment stages through GitHub Actions CI/CD workflows.
- Define and enforce Git branching, commit and versioning standards (GitFlow, semantic versioning, Conventional Commits), supervising compliance checks in the pipeline to keep releases consistent and predictable.
- Resolve complex merge and version conflicts, keeping releases stable and production deployments reliable.
- Maintain an atomic, bisectable commit history (one logical change per commit with outcome-focused messages) so regressions can be isolated quickly with git bisect and git blame.

Enablor Inc. **Dec 2025 - May 2026**
Software Engineering Intern *Pleasanton, CA, USA*

- Built a Windows MSI installer using WiX Toolset with custom elevated installation actions, registry configuration and automated post-install launch handling, with the application bundled for release using PyInstaller.
- Sole developer of a production Windows desktop application for real-time attention monitoring during video calls, built end-to-end in Python with MediaPipe and OpenCV from architecture through MSI installer deployment.
- Diagnosed a Windows 11 24H2 platform-specific compositor regression during beta testing causing invisible application windows, performing root cause analysis through multiple hypotheses to a withdrawn-parent window manager behaviour and implementing a precise targeted fix.
- Engineered a thread-safe multi-threaded pipeline across camera processing, UI, and system tray components with cross-thread communication patterns, eliminating race conditions and UI blocking.

Sunera Technologies **Jan 2021 - Oct 2022**
Backend Developer *Hyderabad, India*

- Engineered backend solutions using Spring Boot to implement Change Requests related to enhancement for the business operations of activations, redemptions, upgrades and porting functionalities of Telecom client Tracfone Wireless.
- Developed the Change Requests for the critical Redemption and Password Encryption operations achieving a 40% improvement in customer satisfaction.
- Leveraged Core Java and integrated unit testing with Junit to maintain high code quality along with MySQL for data management.

Tata Consultancy Services **Sep 2017 - Nov 2020**
Assistant System Engineer *Chennai, India*

- Worked on both the front-end and back-end development Change Requests for the retail client IKEA's product text labeling operations, applying agile methodologies and ensuring timely delivery within 2-week sprint cycles.
- Assisted in the Agile meetings and resolved defects on time to meet project deadlines.
- Led an offshore support team of 2 members in defect resolution tasks contributing to a 40% increase in customer satisfaction.

EDUCATION

Texas A&M University, Corpus Christi **Aug 2023 - Aug 2025**
Master of Science, Computer Science *Corpus Christi, TX*

- **Coursework:** Deep Learning, Advanced Operating Systems, Design and Analysis of Algorithms, Machine Learning, Artificial Intelligence, Advanced Software Engineering, Mobile Software Development

Gokaraju Rangaraju Institute of Engineering and Technology **Sep 2013 - Jul 2017**
Bachelor of Technology, Information Technology *Hyderabad, India*

- **Coursework:** Data Structures, Object-Oriented Programming with JAVA, Mathematical Computations of Computer Science, Operating Systems, Database Management Systems

PROJECTS

Streakly- A Customized Habit Tracker | *Java, XML, Firebase* | GitHub

- Developed an Android application to track the progress of user habits and analyze their performance through visual analytics and reward their Progress through unlockable badges and gamified sounds.

Job Nexus – A Job Tracking and AI Resume Builder | *Next, Node,Vercel, Firebase, Machine Learning* | GitHub

- Developed a web application which tracks the job application status of the applicants esp. international students and generates the resume using the keywords entered by the user.

Movie Recommendation System Using Artificial Intelligence Techniques | *Python Flask, HTML, Bootstrap* | GitHub

- Developed an application which suggests top-rated movies related to a user's choice of genre by using artificial intelligence models

Keywords Extractor using NLP | *Python Flask, Natural Language Processing* | GitHub

- Developed an application which extracts the most important keywords from a document using Natural Language Processing techniques.

CERTIFICATIONS

- **Istio Fundamentals:** Issued Jan. 2021
- **OCAJP Java Certification:** Issued Dec. 2020

AWARDS

- **Rookie of the Month** | Received "Rookie of the Month" award in October 2021 in Sunera Technologies for outstanding delivery.
- **2nd prize in Computer Security paper presentation** | Received 2nd prize in Computer Security paper presentation in 2019 held between the employees at TCS Chennai.