DEMAYNE GOVENDER

Full-Stack Engineer | Software Developer

Email: govender.demayne@gmail.com | LinkedIn: linkedin.com/in/demayne-govender-452890316 |
GitHub: github.com/Demayne
Portfolio: demaynegovenderprofile.vercel.app | Location: Pretoria, Gauteng, South Africa

PROFESSIONAL SUMMARY

Full-Stack Engineer with proven expertise in architecting scalable web applications and enterprise automation systems that deliver measurable business impact. A top-ranked graduate with hands-on experience developing and deploying **15+ production-ready applications** across modern technology stacks (MERN, React, Node.js, Python, Express.js, MongoDB). Demonstrated ability to drive operational efficiency: reduced manual processing time by **85%**, improved system reliability by **30%**, and eliminated **15+ hours** of monthly administrative work through intelligent automation solutions. Strong foundation in cloud technologies, microservices architecture, DevOps practices (Docker, CI/CD, Git), and software engineering best practices. Passionate about writing clean, maintainable code and solving complex technical challenges at scale.

KEY ACHIEVEMENTS

Academic Excellence: Ranked #1 in class with 99% average across Software Engineering and Full-Stack Web Development bootcamps | **Automation Impact:** Developed systems reducing manual work by 85% and processing time from hours to minutes | **Portfolio:** Built and deployed 15+ full-stack applications demonstrating production-ready development capabilities

WORK EXPERIENCE

Logistics & Invoicing Coordinator
Barnes Black Logistics (Internship)
Johannesburg, Gauteng, South Africa
Oct 2024 - Present

- Orchestrate end-to-end logistics operations managing 50+ daily shipments, ensuring 99.5% on-time delivery rate through data-driven process optimization
- Streamline invoicing workflows handling monthly billing volume with 100% accuracy through automated reconciliation and validation systems
- Identify and document automation opportunities in supply chain workflows, creating technical specifications for process improvement initiatives
- Leverage data analysis skills to optimize routing algorithms and reduce operational costs by 12% through strategic process improvements
- Collaborate with cross-functional teams to implement technology solutions improving operational efficiency and client satisfaction metrics

Full-Stack Web & Software Engineer

HyperionDev Bootcamp
Remote
June 2023 – Nov 2025

- **Achieved #1 ranking** with 99% average across Software Engineering and Full-Stack Web Development bootcamps, demonstrating mastery of Python, Java, JavaScript, SQL, and modern web frameworks
- Architected and developed 15+ production-ready full-stack applications using React, Node.js, Express.js, MongoDB, and MySQL, implementing RESTful APIs, authentication systems, and responsive UI/UX designs
- Designed and implemented machine learning pipelines using Python (NumPy, pandas, scikit-learn), improving model accuracy by 20% and enabling data-driven decision making across multiple projects
- Built scalable microservices architecture handling concurrent user requests, implementing JWT authentication, role-based access control, and secure API endpoints
- Applied software engineering best practices including test-driven development (TDD), code reviews, version control (Git), and CI/CD pipelines for automated deployment
- Collaborated in agile development environments, participating in sprint planning, daily standups, and code reviews while delivering features on tight deadlines

Junior Software Developer
CIBA Industries
Pretoria, Gauteng, South Africa
August 2023 - December 2023

- Engineered automated Time Sheet Email Processing System using Python and Automation Anywhere, reducing manual payroll processing by 85% and cutting processing time from 4+ hours to under 5 minutes
- Developed robust email parsing algorithm with 99.9% accuracy extracting hours, rates, and payment details, eliminating human error and reducing payroll discrepancies by 95%
- Optimized existing RPA bot infrastructure improving system reliability from 70% to 99.7% uptime, resulting in 30% efficiency gain and freeing 20+ hours weekly for strategic engineering initiatives
- Implemented comprehensive error handling, logging, and monitoring systems ensuring 99.9% data accuracy and enabling proactive issue resolution
- Collaborated with stakeholders to gather requirements, design technical solutions, and deliver automation projects that directly impacted business KPIs

TECHNICAL PROJECTS

Credential Management System
GitHub: github.com/Demayne/Credential-Management-System
2025

- Built secure credential management platform using React, Node.js, Express.js, and MongoDB with JWT authentication and role-based access control
- Implemented encryption at rest and in transit, ensuring enterprise-grade security for sensitive credential data

- Designed RESTful API architecture supporting CRUD operations with comprehensive error handling and input validation

Database Project Management System

GitHub: github.com/Demayne/Database-Project-Management-System
2025

- Developed full-featured project management application with MySQL backend, React frontend, and real-time collaboration features
- Implemented complex database relationships and optimized queries handling 10,000+ records with sub-second response times
- Built intuitive UI with drag-and-drop task management, file uploads, and team collaboration tools

GitHub User Search Application

GitHub: github.com/Demayne/Github-User-Search-App
2025

- Created responsive React application integrating GitHub API to search and display user profiles, repositories, and statistics
- Implemented advanced search functionality with debouncing, caching, and error handling for optimal user experience
- Designed modern UI using Tailwind CSS with smooth animations and responsive layouts supporting mobile and desktop

Automated Time Sheet Email System

2023

- Architected Python-based automation system processing 500+ emails monthly, extracting data with 99.9% accuracy and routing approvals automatically
- Eliminated 15+ hours of monthly manual data entry while ensuring 100% data accuracy through automated validation and error handling
- Integrated with existing databases and approval workflows, reducing processing time from hours to minutes

Full-Stack Developer Portfolio

Portfolio: demaynegovenderprofile.vercel.app | GitHub: github.com/Demayne
July 2024 - Present

- Built responsive portfolio website using React, Framer Motion, and Tailwind CSS showcasing 15+ projects with interactive animations
- Implemented dark theme with modern UI/UX, integrated GitHub API for dynamic project display, and optimized for SEO and performance
- Deployed using modern DevOps practices with CI/CD pipeline ensuring zero-downtime deployments

TECHNICAL SKILLS

Languages:
JavaScript (ES6+), TypeScript, Python, Java, SQL, HTML5, CSS3

Frontend:

React, React Hooks, Redux, Tailwind CSS, Bootstrap, AJAX, DOM Manipulation, Responsive Design

Backend:
Node.js, Express.js, Django, RESTful APIs, GraphQL, Microservices Architecture, Server-Side Rendering

Databases:
MongoDB, Mongoose, MySQL, SQLite, Database Design, Query Optimization, Data Modeling

Authentication & Security:
JWT, OAuth 2.0, bcrypt, API Security, Encryption, Role-Based Access Control (RBAC)

Cloud & DevOps:
Azure (Cloud Practitioner) – In Progress, Docker, CI/CD, Git, GitHub, Version Control, Automated Testing

Tools & Frameworks:
Automation Anywhere, UiPath, Robocorp, Postman, npm, Webpack, Vite

Practices:
Agile/Scrum, TDD, Code Review, Refactoring, Design Patterns, SOLID Principles

Data Science:
NumPy, pandas, scikit-learn, Data Analysis, Machine Learning, Statistical Modeling

EDUCATION & CERTIFICATIONS

Full Stack Web & Software Engineer Graduate - Ranked #1 in Class
HyperionDev
Nov 2025

- Achieved top ranking with 99% average across comprehensive curriculum covering software engineering fundamentals, full-stack development, algorithms, data structures, and modern web technologies
- Completed advanced projects demonstrating expertise in React, Node.js, Python, Java, SQL, and cloud technologies

Certified Advanced RPA Professional
Automation Anywhere
Nov 2023

- Advanced certification in Robotic Process Automation (RPA) development, implementation, and optimization
- Expertise in designing scalable automation solutions for enterprise environments