

Rushikesh Palande

+918459972812 — rishikeshx1006@gmail.com — linkedin.com/in/rushikesh07 — github.com/RISHII7 — Portfolio

Summary — Software Engineer with experience building financial technology, full-stack, IoT, and embedded systems applications. Currently working in Risk, Finance & Treasury at Barclays using Experian PowerCurve, Python, AWS, and PostgreSQL. Experienced in backend systems, real-time communication pipelines, Docker-based deployments, Linux environments, and hardware integrations.

Skills

Languages: Python, TypeScript, JavaScript, SQL, Embedded C
Frontend: React.js, Next.js, Redux Toolkit, Tailwind CSS
Backend: Node.js, Express.js, REST APIs, WebSockets, Socket.IO
Cloud & DevOps: AWS, Docker, Linux, GitHub Actions, CI/CD
Databases: PostgreSQL, MySQL, MongoDB
Enterprise & Finance: Experian PowerCurve, Strategy Development, Risk Systems
IoT & Embedded: CAN Protocol, Sensor Integration, Raspberry Pi, Biometric Devices
AI & Automation: AI Agents, LLM Applications, Automation Workflows

Experience

Barclays May 2026 – Present
Software Engineer – Risk, Finance & Treasury Noida, India

- Developing and maintaining enterprise business strategies using Experian PowerCurve for Risk, Finance & Treasury systems.
- Working with Python, PostgreSQL, and AWS for backend development, data processing, and enterprise workflow automation.
- Supporting risk and treasury workflows through strategy enhancements, automation, and production support.
- Developing and optimizing business rule strategies for enterprise financial workflows and risk systems.
- Contributing to enterprise-grade fintech solutions following agile development and production support practices.

Embed Square Solutions Pvt. Ltd. January 2025 – May 2026
Software Developer Intern → Software Developer Pune, India

- Built and maintained production-grade full-stack applications using React.js, Node.js, TypeScript, PostgreSQL, and Python.
- Developed scalable backend APIs, real-time communication systems, and data pipelines using WebSockets and Socket.IO.
- Worked on IoT and embedded systems involving biometric devices, sensor integrations, CAN Protocol, and hardware communication.
- Developed embedded C firmware enabling reliable hardware-to-server communication for industrial systems.
- Worked on AI-powered solutions and automation workflows to speed up development and improve delivery efficiency.
- Managed and mentored a team of 3 interns while coordinating frontend, backend, and embedded development tasks.
- Conducted client meetings, technical discussions, requirement gathering, and deployment support activities.
- Containerized applications using Docker and worked extensively in Linux environments for deployment, debugging, and optimization.
- Integrated frontend, backend, and embedded components to support end-to-end industrial automation workflows.
- Optimized deployment and debugging workflows in Linux environments for real-time and hardware-integrated systems.

Projects

Solar Monitoring System (Web & Mobile)

- Built a real-time solar plant monitoring system deployed at a client site.
- Developed web and mobile applications displaying live sensor data using WebSockets and Socket.IO.
- Implemented embedded C firmware for sensor boards streaming data to backend services.
- Led system development and coordinated enhancement tasks across team members.

Voidchron HRMS & Biometric Attendance System

- Developed a role-based HRMS platform with fingerprint and RFID-based attendance tracking.
- Integrated biometric devices and embedded hardware systems with backend services.
- Built APIs supporting attendance tracking, employee management, and HR operations.
- Led feature expansion, deployment, and client delivery activities.

CAN Analyzer & Error Detection Tool

- Built a Python-based CAN Analyzer processing ~6000 frames per second.
- Implemented real-time error detection using a custom four-event detection algorithm.
- Visualized CAN error events and time-series analytics using graph-based monitoring systems.
- Optimized performance for Linux and Raspberry Pi environments.

Education

Jaywantrao Sawant College Of Engineering, Pune <i>Master's in Computer Application</i>	2022–2024
Modern College of Arts, Science and Commerce, Shivaji nagar <i>Bachelor's In Computer Science</i>	2019-2022