

Scrocle

Software Developer & Systems Engineer

Remote Worldwide [Portfolio](#)

01. Summary

Software developer with 40+ projects delivered across 15+ industries. I build native desktop applications, Android clients, backend systems, and custom protocols — wherever off-the-shelf tools fall short. Everything ships with documentation. Remote, worldwide.

02. Education

- **MCA — Machine Learning & Artificial Intelligence**

Amity University Uttar Pradesh, Noida · 2024 – Present

Currently pursuing. Specialization in Machine Learning & AI. Core studies: Deep Learning & Neural Networks, Machine Learning for NLP, Cloud Infrastructure & Services, Advanced DBMS, Core Java, UNIX/Linux Programming.

Deep Learning

Neural Networks

ML/NLP

Python

Cloud

DBMS

- **BCA — Bachelor of Computer Applications**

Amity University Uttar Pradesh, Noida · 2021 – 2024

Graduated First Division with 8.49 CGPA. **Elective specialization in Data Science & AI** — Data Warehousing & Mining, Data Science, AI, Blockchain, IoT, E-Commerce. Coursework in programming (Python, Java, C, Data Structures), systems (Cloud Computing, UNIX/Shell, Cyber Security), and data (AI, Data Science, DBMS).

Python

Java

C

Data Structures

Cloud

UNIX/Shell

Cyber Security

03. Experience

● Independent Developer & Consultant

2020 – Present

Delivered 40+ projects for clients across 15+ industries — web scraping, backend APIs, Android and desktop applications, workflow automation, data analysis, and content production.

PixPolorer — Native desktop media workstation built with Qt 6 + QML, C++ host, and 12 Rust crates via custom C FFI. SQLite catalog with BLAKE3 hashing. Encrypted vault using Argon2id + XChaCha20-Poly1305. Fully offline.

Hermes Android — Production Android client for AI agent dashboards. Kotlin + Jetpack Compose, 6-module MVVM with Dagger Hilt, dual WebSocket, biometric/Keystore security, Material 3.

PwnLink — Android IoT companion for Raspberry Pi field devices. Auto-discovery over Bluetooth PAN, custom JSON protocol, GPS streaming, foreground service persistence.

Hidden Leaves — Complete travel booking SaaS. Next.js 16, React 19, TypeScript, Prisma 6, NextAuth v5 with RBAC, review moderation, admin panel. Caddy + PM2 + Cloudflare tunnel deployment. Live client demo.

Agent Infrastructure — Production multi-agent pipeline. Hermes agent with 15+ skills, 3 MCP servers, LiteLLM proxy with custom vertex routing, cron automation, Discord/Telegram bridging.

100% on-time delivery. Consistent five-star feedback across all platforms.

Qt 6

Rust

Kotlin

Compose

WebSocket

IoT

Cryptography

● Software Engineer

2018 – 2020

Developed internal tools and data processing pipelines. Built web scraping infrastructure handling thousands of records daily. Reduced manual data entry by 80% across three departments through custom automation and workflow integration.

Python

Scrapy

n8n

SQL

04. Skills

Languages

Python Kotlin Rust C++
TypeScript Node.js

Frameworks

React Next.js 16 Flask
FastAPI Express Qt 6 QML
Jetpack Compose

Databases

PostgreSQL MongoDB Redis
SQLite BLAKE3

AI Agents & MCP

MCP servers LiteLLM Hermes
OpenClaw Model routing
Agent orchestration
Cron automation

DevOps & Tools

Docker Linux Nginx Git
CI/CD CMake Ninja systemd

Security

Argon2id XChaCha20
HKDF-SHA256 PBKDF2
Threat Modeling

Communication

REST GraphQL WebSocket
JSON-RPC Bluetooth OAuth 2.0

Data & Scraping

BeautifulSoup Selenium Scrapy
Power BI SQL Excel

Automation

n8n Zapier cron Webhooks
Email Automation

05. Additional Projects

E-commerce Data Pipeline

Business Automation Suite

Multi-source scraper pulling 2,000+ daily product records across 3 competitor platforms. Rate-limited, paginated, cron-scheduled with failure handling.

Python

BeautifulSoup

Selenium

CSV

15 n8n workflows connecting CRM, email, and accounting for a 15-person agency. 85% reduction in manual data entry. Audit trails built in.

n8n

REST APIs

Webhooks

OAuth

Sales Analysis Dashboard

Interactive Power BI dashboard from 7 months of raw sales data. Identified revenue drivers, regional gaps, and retention economics.

Power BI

SQL

Excel

Technical SEO Audit Tool

Focused crawler checking 11 critical SEO factors. Outputs prioritized JSON fix report with effort estimates. No subscription needed.

Python

BeautifulSoup

JSON

Content Production Pipeline

Keyword research to draft to edit to delivery for multiple clients. 80+ pieces across 5 brand voices. SEO-optimized and on schedule.

SEO

Copywriting

Editing

Hermes Android

Production Android AI client. Kotlin, Compose, MVVM, dual WebSocket, biometric/Keystore security. Android 8.0+.

Kotlin

Compose

WebSocket

Security

Hidden Leaves — Travel SaaS

Complete booking platform. Next.js 16, Prisma 6, NextAuth v5, RBAC, admin panel. PM2 + Caddy + Cloudflare. Live client demo.

Next.js

TypeScript

Prisma

SaaS

AI Agent Infrastructure

Production multi-agent pipeline. Hermes + OpenClaw, 3 MCP servers, LiteLLM proxy, cron automation, Telegram/Discord bridging.

MCP

LiteLLM

Hermes

Cron

**Desktop Dev
(Qt/Rust)**

\$60–120/hr

**Android
Development**

\$50–120/hr

Backend & API Dev

\$50–120/hr

Full-Stack SaaS

\$50–120/hr

**AI Agent
Orchestration**

\$50–150/hr

MCP & LLM Infra

\$50–150/hr

IoT & Embedded

\$50–80/hr

ALSO AVAILABLE FOR

Web Scraping & Data

\$50–875

**Workflow
Automation**

\$40–100/hr

Chatbots & Bots

\$30–100/hr

AI & LLM Integration

\$35–80/hr

**DevOps &
Infrastructure**

\$50–100/hr

Data Analysis & BI

\$25–50/hr

Technical SEO Audits

\$300–800

QA Testing

\$20–40/hr

Content Writing

\$15–50/hr

References available on request • Remote worldwide