DX Skills
01 Business Transformation
Enterprise AI & Productivity
Human-Centered Design
Enterprise Strategy & Architecture
Product Management
Project Management
Metrics & Performance
02 Web Application Development
Frontend Development
Backend Development
Web Platform Fundamentals
Full-stack & Static Site Frameworks
Web Infrastructure
Development & Testing Tools
Decentralized Web
03 Cloud & Cloud-Native Computing
Performance & Load Testing
WebAssembly
SRE (Site Reliability Engineering)
Cloud Computing
Containerization
Kubernetes
Configuration as Code
System Observability
CI/CD & GitOps
Cloud-Native Computing
04 Security & Privacy
System & Personal Security
Secure Communications & Networking
Runtime & Operational Security
Secure Development Lifecycle (DevSecOps)
Security Foundations
Governance, Risk, and Compliance (GRC)
Cryptography & Data Protection
Identity & Access Management (IAM)
05 Data Science & Engineering
Data Processing & Messaging
Data Analytics & Search
Foundational Concepts
Data Visualization
Distributed Systems
Data Science Toolkit
NoSQL & Specialized Databases
Relational Databases (SQL)
Data Formats & Architecture
Mathematics & Statistics
06 AI, Machine Learning & LLM
Foundations of AI & Machine Learning
Neural Networks and Deep Learning
Machine Learning
Agentic AI
Computer Vision
Speech & Audio Processing
Generative AI & Large Language Models (LLMs)
MLOps & LLMOps
Natural Language Processing (NLP)
07 Fundamental Developer Skills
Shell & Terminal
Software Development Methods
Code Quality & Refactoring
The Open Ecosystem
Version Control System
Integrated Development Environment (IDE)
Developer AI & Productivity
08 OS & Network Basics
Linux Host Administration
Unix-like Operating Systems
Linux Network Administration
Machine Virtualization
Domain Name System (DNS)
Base Network Concepts & Protocols
File Sharing & Remote Access
Email System
Core OS Concepts
09 Programming Concepts & Paradigms
Programming Paradigms
Core Programming Concepts
Software Design & Architecture
Language Analysis
Program Translation
Scripting Languages
Asynchronous & Concurrency
Program Execution
Algorithm & Computational Complexity
10 Advanced Programming
Virtual Environment
Test Frameworks & Tools
Package Dependency Management
Build Automation
Data & Format Standards
Debugging
Functional & Hybrid Programming
Text Processing & Manipulation
Procedural & Systems Programming
11 Specialized Development Domains
Binary & Media Processing
Desktop App Development
Computer Graphics & Game Development
Business & Productivity Application SDKs
Mobile App Development
Developer Tools Integration SDKs
Internet of Things (IoT)
Low-Code & No-Code Development
CLI/TUI Development
Document Processing
12 Personal Skills
Individual Psychology & Performance
Foundational Thinking & Logic
Mathematical Logic
Interpersonal & Team Leadership
Documentation & Knowledge Management
Systems Thinking: Economics, Game Theory & Finance