



## 20+ Years of Excellence and Growth

**Mainstream Net Services** (formerly **Mainstream Creative Consultant**) has spent more than twenty-five years delivering innovative, reliable, and future-ready technology solutions. From high-impact websites and private servers to complex infrastructure and security work, we partner with governments, enterprises, and institutions to solve real problems with engineering discipline and measurable outcomes.

## Our Heritage

Founded as *Mainstream Creative Consultant* and later rebranded to **Mainstream Net Services**, our evolution reflects a constant commitment to innovation, trust, and long-term partnerships. We bring senior hands-on experience, a pragmatic mindset, and the ability to deliver at speed—without compromising quality or security.

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## Selected Milestones & Notable Engagements

- 2024 – Short Courses in IT Technology – Designed and delivered industry-aligned short courses and micro-credentials (e.g., cybersecurity, cloud, AI, DevOps) to rapidly upskill teams and students.
- 2024 – Consultancy for TDEX Bhd – Technology advisory on digital architecture, cloud adoption, security posture, and governance to support scalable growth.
- 2024 – Consultancy for Lamda Technology – Guidance on product roadmaps, infrastructure hardening, and secure-by-design practices for new platform initiatives.
- 2024 – IBPO Bhd – Developed an enterprise encryption system (AES-256-GCM, HKDF-based key derivation, rotation policies, and quantum-ready design) to protect sensitive workloads.
- 2024 – Limkokwing University (via Raisd AI Sdn Bhd) – Managed the student system operations and enhancements to improve admissions, records, and student services.
- Dubai, UAE (2002) – Worked with the Dubai Government and contributed as part of the team that helped set up Dubai Internet City, a cornerstone initiative in the region’s digital transformation.
- Ramunia Fabricators Bhd (PETRONAS project) – Designed and implemented CCTV infrastructure in Teluk Ramunia, strengthening on-site security and operations.

- LADA Langkawi Geopark – Delivered integrated technology solutions supporting eco-tourism, conservation, and regional development.
  - LIMA (Langkawi International Maritime & Aerospace Exhibition) – Built and deployed the LIMA system for D’Langkawi, enhancing event operations, coordination, and security.
  - ...and more – Decades of multi-sector projects across government, education, energy, events, and enterprise.
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## What We Do

- **Web Development & Platforms** – Modern, responsive, accessible sites and portals with clean code and robust CI/CD.
  - **Private Servers & Infrastructure** – Build, harden, and manage Linux/Windows servers, networks, backups, and observability.
  - **Security Engineering** – Threat-aware architectures, zero-trust principles, monitoring, and incident readiness.
  - **Cloud & DevOps** – Automated provisioning, containerization, IaC, high availability, and cost-optimized deployments.
  - **AI-Ready Solutions** – Practical AI integrations for content extraction, workflow assistance, and analytics.
  - **Managed Services & Support** – SLAs, 24×7 monitoring, performance tuning, and lifecycle maintenance.
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## Security & Data Protection (Quantum-Ready)

Security is embedded in our architecture, code, and processes—not added at the end. We design for **confidentiality, integrity, availability, and auditability**.

- **Modern Cryptography by Default** – AES-256-GCM for data at rest; authenticated encryption with distinct IVs and tags per record.
- **Sound Key Management** – Layered key derivation (e.g., HKDF), strict rotation policies, **separate key services**, and tamper-evident access logs.
- **Defense-in-Depth** – Network hardening, principle of least privilege, MFA, role-based access, secure secret handling, and continuous patching.
- **End-to-End Data Handling** – Encryption in transit, secure upload pipelines, rigorous input validation, and privacy-by-design storage.

- **Quantum-Ready Posture – Algorithm agility** and migration pathways to **post-quantum cryptography (PQC)** standards as they mature, enabling hybrid approaches that protect data today while preparing for tomorrow’s threats.
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### Industries We Serve






Government • Education • Energy & Engineering • Events & Exhibitions • Tourism & Public Agencies • Corporate & SME

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### How We Work

1. **Discover** – Clarify goals, risk, constraints, and success metrics.
  2. **Design** – Propose a secure, scalable architecture with a clear execution plan.
  3. **Deliver** – Implement with quality gates, tests, and milestones.
  4. **Support** – Monitor, maintain, and continuously improve with transparent reporting.
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### Why Mainstream Net Services

-  **Proven Experience** – Over two decades building secure, high-performing systems.
  -  **Trusted Partnerships** – A record of collaboration with government bodies, multinationals, and local enterprises.
  -  **Future-Ready Security** – Advanced encryption frameworks and **quantum-ready** roadmaps.
  -  **Practical Innovation** – We adopt what works—cloud, DevOps, and AI—without hype.
  -  **Accountability** – SLAs, clear communication, and outcomes you can measure.
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**Mainstream Net Services** — *Pioneering Technology, Empowering Growth, and Securing the Future Together.*