

BITHUN CHATTERJEE

Founder & Full-Stack Developer, iBithun · AI Orchestrator

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18 years in the IT industry | **12 years** in **Database development and administration** | **8+ years** in **DW-BI and ETL/ELT** development | Extensive experience with utility companies in Norway within the **DSO market** | Vast knowledge of Oracle Workspace Manager and SDO Geometry | Proficient in **CI/CD, containerization, infrastructure-as-code and cloud-native DevOps** using **AWS and Kubernetes** | Builds and ships **full-stack SaaS and web platforms** end to end using **AI-driven development workflows**, with **20+ production-grade apps built and deployed in 3 months** | Designs and operates multi-agent development pipelines with cross-family AI auditing

AI ORCHESTRATION

Multi-agent development pipeline (agent-ops). Designed and operate a pipeline that ships software end to end through specialized AI roles: an Architect that scopes each task, a Developer that implements it on an isolated branch, an Integrator that merges, and an Auditor that reviews. A structured task lifecycle (task ledger, architecture decision records, strict git discipline) ensures no change ships unverified.

Cross-family auditing. Code written by one model family (Claude) is independently reviewed by a different family (GPT/Codex) before merge, with mandatory adversarial review for high-risk changes. This cut a typical build from about **70 hours to 12** (roughly **6x faster**) and produced more secure, attack-resistant code. The operating model evolved from hand-relaying five separate agents to a single self-orchestrating Architect.

KEY SKILLS

Database creation, upgrade & administration | Database migration | Backup & recovery | ETL development | Automation | Performance tuning | Data analysis | Data visualization | Containerization | Cloud migration | Full-stack web & SaaS development | AI-driven development workflows | Building agentic AI systems

TOOLS & TECHNOLOGIES

AI engineering: Claude Opus, Claude Code, Codex, Antigravity **Scripting:** PL/SQL, Shell, PowerShell **Databases:** Oracle, MySQL, PostgreSQL, Snowflake, DB2, Teradata **Backup & Recovery:** DataPump, RMAN **ETL:** Informatica, Ab Initio, Pentaho, OWB **Containers:** Docker, Podman, Kubernetes **CI/CD:** Jenkins, Argo CD, GitHub Actions, GitHub Webhooks, Octopus **IaC:** Terraform, Ansible, Helm **Version control:** Git, GitHub, GitLab, Bitbucket **Cloud:** AWS (EKS, ECR, ALB, EC2), Azure, OCI, GCP **Job schedulers:** Tivoli, AutoSys, Ops-Console **GIS:** ArcGIS Desktop, Oracle FME **NIS:** Netbas, OpenNIS, GeminiSync **Data viz:** Power BI, Excel, DAX, Prometheus, Grafana **Web & SaaS:** Next.js, React, TypeScript, Tailwind CSS, shadcn/ui, Prisma, Drizzle ORM, Supabase (Postgres), Stripe, Recharts, Vercel, WordPress, WooCommerce, PHP, JavaScript, HTML/CSS

PROFESSIONAL EXPERIENCE

Founder & Full-Stack Developer iBithun	Fannrem, Norway 2026 – Present
Senior Technical Consultant Value AS	Trondheim, Norway 2020 – 2025
Project Leader / Associate L&T Infotech	Pune, India / Singapore / Oslo, Norway 2014 – 2020
Associate Cognizant Technology Solution	Kolkata, India 2010 – 2014
Technical Associate Tech Mahindra Ltd.	Kolkata, India 2008 – 2010

PROJECTS EXECUTED

- Project: Trondheim Talent Hub, White-Label Recruitment Marketplace** | **Duration: 2026 · in LIVE**
Key Achievement: A bilingual (Norwegian/English) white-label **B2B marketplace** for Norwegian **recruitment agencies** to post consultant gigs, vet contractors and move applicants through a configurable 7-stage hiring pipeline. Public listings stay open while sensitive fields such as rates and client names are gated by row-level security. Includes a kanban pipeline with audit log and automated status emails, a consultant income calculator and referral-bonus system, and a pluggable Recman ATS adapter for bidirectional sync. Delivered with full rebranding and API integration in about **3 weeks**, work that would typically take **3 months**. Built with **Next.js 14, TypeScript, React 18 and Supabase (Postgres, Auth, Storage)**. Live demo: talent.ibithun.com
- Project: Hotel Booking & Property Management Platform** | **Duration: 2026 · paid client / LIVE**
Key Achievement: A bilingual (Norwegian/English) **booking and guest-management platform** built for a paying hospitality client: real-time availability and online reservations with paid add-ons, an admin dashboard for bookings, Stripe payment links, invoicing and revenue analytics, and automated transactional email for confirmations. Built with **Next.js 16, React 19, TypeScript, Supabase (Postgres)** with **Drizzle ORM**, Stripe and Resend, deployed on **Vercel**. Live demo: <https://aurora-cabin.gjestly.no>

3. **Project: Orkanger School Platform (school-pos)** | **Duration: 2026 · Product-Ready / LIVE**
Key Achievement: A bilingual (Norwegian/English), GDPR-conscious **school-management platform** for Norwegian friskoler that unifies administration, attendance, skolepenger (tuition) billing and a two-way parent app. A billing engine reconciles every invoice against a canonical calculator. Claude, running on the **Vercel AI Gateway**, translates school-to-home messages in real time and drafts assessment text, both kept within a strict no-scoring EU AI-Act boundary. Built with **Next.js 16**, **TypeScript**, **Prisma** and **Supabase Postgres**. Live demo: <https://demo.skoleklokka.no>
4. **Project: Lucia POS, Restaurant Management System** | **Duration: 2026 · contract-ready**
Key Achievement: A bilingual (Norwegian/English) **restaurant management platform** that runs alongside a certified till: a 14-table interactive floor plan, a live order panel handling VAT (MVA), service charge, tips and split-tender payments, reservations, a tiered customer loyalty program, and Z-report end-of-day settlement with 80 mm thermal-ticket printing. Demo complete and locked; contract-ready, with a **Next.js** and **Supabase** production build delivered on engagement. Live demo: demo-restaurant-premium.ibithun.com
5. **Project: Wood POS, Timber Merchant POS & Inventory** | **Duration: 2026 · in LIVE**
Key Achievement: A bilingual (Norwegian/English) multi-tenant, **offline-first POS** and **inventory system** for timber and building-materials merchants: gapless invoice numbering, multi-tender payments (Stripe), stock valuation by species and volume (m³), customer credit with automated due-payment reminders, and role-based dashboards (admin / manager / cashier / warehouse) with full activity logging. Built with **Next.js 16**, **React 19 (PWA)**, **TypeScript**, **Supabase (Postgres with row-level security)** and **Drizzle ORM**. In active development with a working hosted demo, on track to contract-ready. Live demo: <https://trelager.no/demo>
6. **Project: Norwegian SMB Website Portfolio (20+ sites)** | **Duration: 2026**
Key Achievement: Designed, built and deployed 15+ production-grade business websites in 3 months across salon, bakery, dental, café, funeral, auto-repair, joinery, florist, cleaning and grocery sectors. Each is fully functional and offered as a white-label product deployed to the client's domain on signing. Live demo: ibithun.com/projects
7. **Project: Azure Cloud migration from on-prem** | **Duration: 2024 – 2025**
Key Achievement: Participated in migration of 5 projects from on-premises to **Azure** Cloud infrastructure, using multitenant architecture and advanced storage management.
8. **Project: Matrikkel-Migration** | **Duration: 2024 – 2025**
Key Achievement: Merged the geodata of more than 63 municipalities into one database where two or more grid companies merged, via **Kartverket** (the Norwegian Mapping Authority).
9. **Project: NRL implementation for more than 55 grid companies** | **Duration: 2023 – 2024**
Key Achievement: Delivered the nationwide implementation of **NRL** for 50+ grid companies, enabling standardized aviation-obstacle reporting and strengthening national air-safety compliance.
10. **Project: Microservice Demo (Python FastAPI + HTML/JS + Docker + Kubernetes)** | **Duration: 2026 – Present**
Key Achievement: Designed a lightweight, containerized **FastAPI** backend and **HTML/JS** frontend to practice real-world **Docker** workflows, multi-service orchestration and **Kubernetes** deployments. Built hands-on experience with **Deployments**, **Services**, **Ingress** and single-cert container exposure, with **docker-compose** for easy local testing.
11. **Project: Cloud-Native multi-tier Web App on AWS (EKS, ECR & ALB Ingress)** | **Duration: 2025 – 2026**
Key Achievement: Achieved **99.9%** uptime and **~25%** cost optimization through autoscaling, resource rightsizing and Spot instance usage. Integrated **Prometheus** and **Grafana** for real-time monitoring, dashboards and alerting, reducing incident resolution time by **30%**.
12. **Project: Publications – Full-Stack Demo (ASP.NET API + React SPA + Docker + Jenkins CI/CD)** | **Duration: 2025 – 2026**
Key Achievement: Built a production-ready, containerized **ASP.NET API** and **React SPA** platform, enabling deployment to EC2 and other servers and reducing environment setup time by **~50%** through **Docker**, **Nginx** and automated **Jenkins** pipelines. Delivered an end-to-end CI/CD workflow with **GitHub Webhooks** that cut manual deployment effort by **60%** and ensured consistent single-port hosting for API, SPA and Swagger.
13. **Project: WordPress Migration (OpenCart to WooCommerce)** | **Duration: 2026**
Key Achievement: Migrated 12 e-commerce websites from **OpenCart** to **WordPress / WooCommerce** with full customer, product and order data migration, and deployed them live on **Hostinger**.

EDUCATION

- **Bachelor's degree – Information Technology** | JIS Engineering College | 2004 – 2008 | GPA 7.99

CERTIFICATION

- Claude Code in Action
- GitHub Professional Certificate
- Docker Foundations Certificate
- Informatica Data Governance & Privacy
- Microsoft Certified: Azure Fundamentals
- AWS Technical Professional