

# Dimitri Lesas

Senior Full Stack Engineer • AI / Data Specialist • SC Cleared

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## Profile

Results-driven Senior Engineer with 7 years' experience delivering impactful full stack and AI-driven solutions in Defence, Security, and Enterprise contexts.

Proven expertise building modern apps integrated with complex data platforms (Palantir Foundry, aws, cloud DBs, AI pipelines), mentoring teams and driving engineering best practices.

Strong ability to bridge technical and business needs; SC Cleared with deep experience navigating secure environments.

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## PROFESSIONAL EXPERIENCE

### Senior Full Stack & Data Scientist (SC Cleared)

Dec 2023 - Present

#### Capita

- Built a production React + TypeScript app on top of Palantir Foundry, enabling advanced tracking for 500+ RN personnel via fully data-driven, extensible workflows; owned system design and optimised Spark-based pipelines processing multiple terabytes of data daily.
- Mentored 5 engineers bi-weekly in React, TypeScript, Python, and Spark, supporting their growth across frontend, backend and data engineering best practices.
- Delivered automation saving 5 days of manual effort each month; project commended at the Rear Admiral's annual address.

### Machine Learning Engineer (SC Cleared)

June 2022 - Dec 2023

#### Roke

- Tech led 3 cross functional projects spanning engineering, data science, and domain teams, delivering scalable production systems for critical National Security use cases.
- Designed and deployed a novel Gan-based computer vision model for real-time image analysis; built entirely from scratch in a restricted environment
- Integrated diverse cloud-native databases (time-series, columnar, geo-spatial, graph), enabling ingestion of ~20–30GB/day and powering both a live dashboard and a model-driven application.
- Supervised MSc research projects in collaboration with university partners, helping align academic work with production objectives.

### Senior Data Science Consultant (SC Cleared)

Nov 2020 - May 2022

#### Capita

- Led development of a global carbon reporting platform covering 7,905 cost centres, enabling a 30% CO<sub>2</sub> reduction in one year.
  - Managed a team of 5 juniors across delivery and technical planning for multiple enterprise clients.
  - Presented complex data insights to C-level and non-technical stakeholders; achieved a 60% client contract extension rate.
  - Mentored 7 engineers bi-weekly across two teams in python and power bi to improve delivery.
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## KEY COMPETENCIES

**Languages:** Python, TypeScript, SQL, Rust

**Frontend:** React, React Native, Vue, Tailwind, D3, TanStack Libraries, Three.js

**Backend / Data:** Postgres, Neo4J, Redis, Pandas, Django, Flask, PyTorch, Scikit-Learn, Node.js, Next.js

**Tools / Infra:** Docker, Git, Palantir Foundry, Power BI, Excel, AWS, GCP, Linux, CI/CD