

JORDAN MOORE

SOFTWARE DEVELOPMENT | QA & TEST AUTOMATION

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Authorized to work in Canada | No employer sponsorship required

PROFESSIONAL SUMMARY

Recent First Class BSc (Hons) Software Development graduate (BCS-accredited) with a Grade A HND and genuine commercial delivery experience, progressing at PD Landscapes from field operations into building and shipping production software on AWS. Core stack: React, TypeScript, Node.js/Express, Python, SQL, and AWS, with hands-on work spanning full-stack development, CI/CD automation, event-driven cloud architecture, applied data analysis, AI-integrated applications, and application security testing. Built GeoLearn, a Chrome MV3 extension with a grounded GPT-4o-mini assistant that achieved 100% factual-question accuracy versus 72.5% for the control condition.

TECHNICAL SKILLS

Languages & Core: TypeScript, JavaScript, Python, Java, C#, SQL, HTML/CSS; OOP, data structures & algorithms, OOAD

Full Stack: React, Vite, Chrome Extensions (Manifest V3), Node.js, Express, REST APIs, responsive UI, caching, rate limiting

Cloud & DevOps: AWS (EC2, Lambda, S3, DynamoDB, SQS/SNS), Docker/Docker Hub, Jenkins, Git/GitHub, CI/CD, Kubernetes/Minikube, Ansible, Linux/SSH, CloudFormation, CloudWatch

Data & AI: pandas, NumPy, scikit-learn, Matplotlib, Seaborn, data cleansing, EDA, statistical testing, linear/logistic regression, model evaluation, Oracle SQL, MongoDB, Metabase, OpenAI API

Security & Testing: Vitest, unit/integration/smoke testing, automated CI testing, SonarQube/SonarScanner, static analysis, OWASP Top 10, Burp Suite, ZAP, SQL injection/XSS testing

EXPERIENCE

PD Landscapes — Software Developer (progressed from Landscape Operative)

Jun 2022 – 2025

- Progressed from field operations into a software-focused role by working directly with the owner to identify manual processes and build tools for quoting, bookings, customer communication, and operational reporting.
- Designed and deployed a customer-facing website on AWS EC2 with a Node.js backend, Nginx reverse proxy, and TLS; integrated quote and booking forms plus AWS SES/SNS automated emails and SMS notifications into day-to-day operations.
- Built a Python pricing-prediction and analytics tool that reconciled estimates against actual labour, material, fuel, and travel costs and used regression analysis to improve future quote accuracy.

PROJECTS

GeoLearn — AI-Powered Chrome Extension for Geographic Learning

2025 – 2026

github.com/JordanMre/GeoLearn-Public | React + TypeScript | Node.js/Express | OpenAI GPT-4o-mini | Chrome MV3

- Built a Chrome MV3 extension that augments Google Maps with educational side-panel content across Foundation, Core, and Advanced reading levels.
- Implemented a Node.js/Express backend aggregating Nominatim, Wikipedia, Wikidata, The Guardian, and The New York Times through fault-tolerant parallel fetching; added TTL-based LRU caching and API rate limiting.
- Integrated grounded GPT-4o-mini responses, tested with Vitest/integration tests, and delivered 49 Jira issues across five sprints; user evaluation achieved 100% factual-question accuracy versus 72.5% control accuracy.

Cloud-Based Image Processing System (AWS)

2026

Python/Boto3 | CloudFormation | S3 | SQS/SNS | Lambda | DynamoDB | Rekognition | CloudWatch

- Designed event-driven AWS workflows using S3 upload events, SQS/SNS, Lambda, DynamoDB, Rekognition, EC2, and notifications; provisioned resources through Boto3 and parameterised CloudFormation templates.
- Extracted image labels, faces, and image properties, stored metadata in DynamoDB, and triggered downstream notification workflows.

Automated CI/CD & Quality Pipeline (AWS)

2024

AWS EC2 | Jenkins | GitHub | Docker | SonarQube | Ansible | Kubernetes

- Configured GitHub-triggered Jenkins CI pipelines on AWS EC2 to compile and test Java changes automatically, integrating SonarQube/SonarScanner static analysis and build pass/fail feedback.
- Built and pushed Docker images to Docker Hub, then used Ansible and Kubernetes/Minikube to deploy, scale, roll out, and roll back a Node.js service across separate build and production EC2 servers.

Applied Data Science & Model Evaluation (Coursework)

2025

Python | pandas | NumPy | scikit-learn | Matplotlib | Seaborn

- Prepared and analyzed structured datasets through cleansing, missing-value handling, scaling, exploratory analysis, visualization, categorical encoding, and statistical hypothesis testing.
- Built and compared linear and logistic regression models using train/test splits and cross-validation; evaluated performance with residual analysis, R2/RMSE, confusion matrices, precision, recall, and F1 scores.

EDUCATION

Glasgow Caledonian University

Aug 2024 – Jun 2026

BSc (Hons), Software Development — First Class Honours (UK highest undergraduate classification) | BCS-accredited

- Advanced entry to Year 3 following HND; completed the final two years of the Scottish Honours degree. Selected study: Information Security, Cloud Platform Development, Big Data & IoT, Mobile/Web Development, DevOps, Data Science, and the Honours Project.

Glasgow Clyde College (Annie'sland)

Aug 2022 – Jun 2024

Higher National Diploma (HND), Computing: Software Development — Grade A (SCQF Level 8, 240 credits)

- Selected study: Java OOP, data structures and algorithms, Oracle SQL/RDBMS, OOAD, and cloud computing.