James Dorevski

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SKILLS

- **Soft**: Presentation, Mentoring, Communication, Collaboration, Pair-programming
- **Technical**: Software Architecture, Microservices, Test-Driven Development, Domain-Driven Design, CI/CD, DevOps, Human Computer Interaction, ETL
- **Programming Languages**: .NET (C#), JavaScript, Rust, Python, C/C++, Java
- **Databases**: PostgreSQL, DynamoDB, sqlite, Elasticsearch, Redis, CosmosDB
- **Technologies**: AWS, Docker, Angular, RabbitMQ, Terraform, GitHub Actions, Jira Automation, Azure, Kubernetes

EXPERIENCE

- **Lumachain** — Sydney, Australia
  Software Engineer — *Mar 2024 – Current*
  - **Interim Team Lead**: Shortly after joining, I facilitated team meetings, and internal and external conversations, all whilst learning the company and software systems during my manager's absence.
  - **Supplier Importer**: Supplier Importer is a customer-agnostic ETL system designed to ingest customer-specific data, and transform it into internal data structures for use within our systems. It was built as a successor to a legacy customer-specific ETL as an answer to Lumachain's increasing customer base, and more complex feature set. Worked with tech lead to architect, implement, and deploy the solution. System is now ingesting data from 3 customers.
  - **Container Tracking**: TODO
  - **Trace Threads**: Part-time contract where I worked with a postdoc to implement a PoC of a novel self-healing agentic system proposed in their research paper using Python and Docker. PoC was used to validate, and demonstrate research at conferences.
  - **Linker**:
  - **Inventory Management**: Part-time contract where I worked with a postdoc to implement a PoC of a novel self-healing agentic system proposed in their research paper using Python and Docker. PoC was used to validate, and demonstrate research at conferences.
  - **Back-end data improvements**: Part-time contract where I worked with a postdoc to implement a PoC of a novel self-healing agentic system proposed in their research paper using Python and Docker. PoC was used to validate, and demonstrate research at conferences.
  - **Developer UX**: Part-time contract where I worked with a postdoc to implement a PoC of a novel self-healing agentic system proposed in their research paper using Python and Docker. PoC was used to validate, and demonstrate research at conferences.

- **University of Wollongong** — Wollongong, Australia
  Research Software Engineer — *Feb 2024 – Jun 2024*
  - **Self-healing agentic system**: Part-time contract where I worked with a postdoc to implement a PoC of a novel self-healing agentic system proposed in their research paper using Python and Docker. PoC was used to validate, and demonstrate research at conferences.

- **carsales** — Melbourne, Australia
  Software Engineer — *Aug 2023 – Jan 2024*
  - **Sourcing**: Sourcing is a product for car dealerships to help identify, manage, and purchase high revenue-generating stock. Worked with tech lead to architect novel component that facilitates B2B transactions between dealerships.

  Junior Software Engineer — *Jun 2022 – Aug 2023*
  - **Global Inventory**: Global Inventory is the batch ad ingestion system used by carsales, and global entities. Worked on refactoring monolith to microservice architecture, improved customer and developer UX by updating application framework, implementing self-documenting features, and introducing application performance monitoring (APM) features. Resulted in improved customer adoption, and reduced support requests on customer support team.
  - **Manifold**: Owner of greenfield project that aims to provide a standard API for client interaction with carsales' services. Worked with senior engineer to plan work items and architect system for MVP, and oversaw delivery through MVP to continual development and introduction of new features. Manifold reduced maintenance burden on the engineering team, and decreased feature delivery time through test suite automation.

- ◦ **Time-sheet automation**: Assisted delivery lead with adoption of time-sheet software through Jira scripts that automated repetitive tasks. Improved integrations freed up time for management and developers, and reduced occurrences of inaccuracies and errors.
- ◦ **Core Tech Talks**: Founded internal developer guild aimed to provide colleagues opportunities to share learnings, demonstrate work, practice presentation skills, and improve cross-team collaboration in a fully-remote environment. Created and managed presentations, coding workshops, and social events.

Graduate Software Engineer *Feb 2021 – Jun 2022*

- ◦ **AutoGate**: AutoGate helps dealerships manage their inventory, generate leads, and be informed of market trends through market-inspection tools. Worked on bug fixes and feature requests.
- ◦ **carsales SELECT**: carsales SELECT allows customers to directly purchase selected stock from carsales, backed by an inspection program, and refund period. Worked on implementing functionality that allows dealerships to create and manage SELECT stock.

- **FinoComp** Wollongong, Australia
Intern Software Engineer *Nov 2019 - Feb 2020*
  - ◦ **Performance Benchmarking**: Improved visibility of performance issues in microservices by creating a performance benchmarking tool which enabled developers to analyse and proritise development on under-performing services. Developed core software engineering competencies and practices (scrum, testing, CI/CD).

EDUCATION

- **University of Wollongong** Wollongong, Australia
Bachelor of Computer Science, majoring in Software Engineering *Feb 2018 – Dec 2020*
  - ◦ **Wollongong IT Society (WITS) Executive**: Helped organise student networking nights, social events, and Hackagong 2020

CERTIFICATIONS

- **Australian Computing Society (ACS) Accreditation**: Dec 2020
- **AWS Cloud Practictioner**: Apr 2022

PROJECTS

- **Arrow**: Open source CLI time-logging application to help track and categorise your time spent.
- **Book Recommendation System - New Columbo Plan Project**: PoC recommendation engine for the Malaysian National Library to recommend books to users based off borrowing history.
- **Colab - University Capstone Project**: Colab is a mobile application that aims to build relationships among university students via online communities centered around enrolled courses. Designed UI, and implemented it using React Native. Project won "Best Project Prize" in the cohort.

ACHIEVEMENTS

- **University of Wollongong**: 3x Dean's Merit recipient for placing in the top 5% of students in Engineering faculty.
- **SES**: Unit member volunteer in the NSW State Emergency Service.
- **carsales**: Recipient of the peer-nominated "We are Curious" award for outstanding work ethic and commitment to personal development and growth.

REFERENCES

References available upon request.