

JAMES MOESSIS

Senior Software Engineer

CONTACT

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SKILLS AND TECH

Best languages:

- Golang
- Java/Kotlin
- Python
- TypeScript

Tools and Services:

- Kubernetes
- AWS
- OpenTelemetry
- Spring Framework
- PostgreSQL, Columnar DBs

Experience with:

- Algorithm Optimisation
- Public Speaking
- Mentoring
- Distributed Systems
- Observability
- Mathematics

EDUCATION

The University of Sydney

Bachelor of Science
(Computer Science, Mathematics)
WAM: 79.8

Received the *Microsoft Research Asia Prize* for the best Senior Software Development Project.

ABOUT

James is a senior software engineer with 7+ years of experience, distinguished by a rare fusion of outstanding technical ability and leadership/soft skills. With strong experience in both backend software development and platform engineering, James has hundreds of contributions across various open source projects such as OpenTelemetry and Spring.

EXPERIENCE

Atlassian

SENIOR SOFTWARE ENGINEER

October 2024 - Present

- Powering observability for the Atlassian product suite.
- Led the development, performance optimisation, and public-release of a world leading distributed tracing algorithm.
- Developed ML and tree-search algorithms to identify anomalies in distributed tracing data.
- Reached 200+ contributions to the OpenTelemetry project, collaborating with industry leading Observability engineers.
- Guest speaker at KubeCon London '25.
- Oncall for Kubernetes cluster processing millions of req/s.

SOFTWARE ENGINEER (OBS)

January 2021 - October 2024

- Led library and system development projects to instrument thousands of microservices, underpinning Atlassian's architecture with high quality traces and metrics.
- Delivered a talk on OpenTelemetry at Splunk Conf in Las Vegas, and a keynote presentation in the Sydney ICC.
- Designed and implemented a tracing pipeline in AWS which collects, processes, and stores over 100TB per day.
- Developed in over 10 different programming languages.

The University of Sydney ACADEMIC TUTOR

February 2020 - December 2020

School of Computer Science tutor, teaching Python to first year students.

National Australia Bank INTERN, PROMOTED TO SOFTWARE ENGINEER

January 2018 - October 2019

Delivered several projects to an AWS production stack.