

# Alin Ali Hassan

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## EXPERIENCE

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### Nordcloud, an IBM Company

Amsterdam, Netherlands

*Cloud Developer - Consultant*

*Jan 2022 - Present*

- **Lego:** Leading the development of several crucial integrations within Lego between Cloud Enablement and Baseplate teams, automating the provisioning of multi-cloud accounts on Spotify's Backstage Developer Platform.
- **Syngenta:** Undertook ownership and development of Serverless Lambdas in Python, designed to trigger changes in AWS infrastructure based on Jira tickets. This process enabled efficient creation, decommissioning, and modification of accounts and services.

### Arup

Amsterdam, Netherlands

*Software Engineer*

*May 2021 - Jan 2022*

- **Arup Workflow Framework (AWF):** Developed the workflow orchestration API using Python, enhancing operational efficiency and consistency. Utilized AWS Step Functions for orchestrating microservices into scalable workflows and leveraged Azure Batch HPC (High-Performance Computing) for running parallel and performance-critical applications efficiently in the cloud.
- **Workflows:** Contributed to the support of a wide range of engineering software, enabling the execution of various types of analyses, scripts, and API communications through templated workflows.

### Worldline

Amsterdam, Netherlands

*Software Engineer*

*Apr 2020 - Apr 2021*

- **Payment Products:** Worked on adding new payment products from the Brazilian market to Worldline's hosted checkout using Java and Spring Boot.
- **Scrum Master:** Due to organizational changes due to Worldline's acquisitions, I had the opportunity to get certified and step up to fill the role of a Scrum Master alongside my engineering responsibilities
- **Release:** Optimized orchestration and waiting times of external services used in the release process such as Jira API calls, Jenkins build pipelines and GitLab releases, which improved the speed of the pipelines by 25%.

### Priogen

Amsterdam, Netherlands

*Software Engineer*

*Jan 2018 - Mar 2020*

- **Modernization:** Contributed to the infrastructure changes, including the migration from Microsoft Server SQL to PostgreSQL and migrating Java monolith to micro-services on AWS.
- **Energy Monitoring Tool:** Fragmentation of different web monitoring tools and programs led to inefficiencies in utilizing the data. I've had the opportunity to propose and lead the development of the largest internal application to aggregate monitoring tools, provide time-critical notifications and more to the traders.
- **Data Ingestion:** Data ingestion pipelines were integral to Priogen's trading business, which provided insights for aggregation tools. Implemented different automated aggregation Python tools to fetch and wrangle data.

## EDUCATION

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### Vrije Universiteit

Amsterdam, Netherlands

*Computer Science, Bachelor's*

*Sep. 2017 - Jun. 2021*

## PROJECTS

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**Lesma:** Compiled, statically typed, imperative, and object-oriented programming language with a focus on expressiveness, elegance, and simplicity without sacrificing performance, written in C++ and LLVM.

**WriteNow:** An aesthetically-pleasing native desktop application used to write and keep track of Markdown notes. Written using Electron and web technologies.

**SmartRead:** Educational platform for teachers and students used for classroom management, pupil performance analysis, resource sharing and in-app store with materials. It was developed during the contest Company of the Year, it was highlighted in Forbes Magazine Romania and national news channels for its innovation in education.

## TECHNICAL SKILLS

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**Languages:** Typescript, Java, Python, C/C++, SQL, HTML/CSS

**Frameworks:** React, Node.js, Next.js, Flask, FastAPI, LLVM

**Developer Tools:** Git, Docker, GitHub Actions, JUnit

**Databases:** PostgreSQL, Microsoft SQL Server, MongoDB, Redis

**Cloud:** Amazon Web Services, Google Cloud Platform, Terraform