MICHAEL HARRISON

DEVELOPER & MASSIVE GEEK

SPECIALIZATIONS

- Leading SCRUM and Agile teams.
- Product exhibition and demos.
- Stakeholder liaison.
- Requirement gathering & product architecture.
- User-Centered Design.
- MERN stack development.
- Back-End Golang development
- Kubernetes & Docker.
- React, Electron and VueJS.
- Google Cloud & Microsoft Azure.
- MongoDB (Cloud and on-premises)
- Workflow automation.

EDUCATION

Monash University
BACHELOR OF COMPUTER SCIENCE, 2014

- Studied Computer Science with a focus on Data Science, Statistics and Applications Development.
- Java, C++, C#, Python, R, SQL.

EXPERIENCE

Lead Developer
SOUTHBANK SOFTWARE
NOV 2018 TO PRESENT

- Lead a team of 10 senior and junior designers
- Design and implementation of cloud architecture.
- Blockchain/DLT design and development.
- Docker and Kubernetes design and deployment.
- Full-Stack Web and Golang development.

Senior Developer
SOUTHBANK SOFTWARE
NOV 2016 TO NOV 2018

- SCRUM master and Team Lead.
- Full-Stack Electron development (MERN).
- Implemented MongoDB best practices.
- Design and implementation of CI/CD pipelines.
- Helped design and staff multiple conference exhibits.

Team Leader
TELSTRA AUTOMATION
JAN 2016 TO NOV 2016

- Lead a newly formed team of automation developers.
- ITIL Ticketing and Workflow Automation.
- LAMP stack development.
- Requirements gathering and stakeholder liaison.
- Golang and Javascript script creation.

Junior Developer
TELSTRA BIG DATA
FEB 2015 TO JAN 2016

- Creation of Data Quality and ingestion pipelines.
- Creation of Qliksense visualization dashboards.
- Implementations in Hadoop, Hive, SpringXD and Splunk.

PROJECTS

Compliance Vault
DIGITAL STORE FOR COMPLIANCE DOCUMENTS

- Blockchain-enabled document store.
- Ensures immutability and proof of key user documents.
- Web interface and REST API access.
- Built using NodeJS, React and MongoDB.
- Leverages ProvenDB for Blockchain proofs.
- Kubernetes Deployment running on Microsoft Azure.

ProvenDB
BLOCKCHAIN ENABLED DATABASE

- Blockchain-enabled Database as a Service (DBaaS).
- Ensures tamper-detection, versioning and verifiable ownership of any data.
- Compatible with the MongoDB API.
- Built using Java, Golang and MongoDB.
- Kubernetes Deployment running on Google Cloud Platform

dbKoda
OPEN-SOURCE MONGODB IDE

- Open-Source, free to use desktop IDE for MongoDB.
- Available on Mac, Linux and Windows.
- Built using Electron, NodeJS and React.

Learn2Play
INTERACTIVE BOARD GAME MANUALS

- Interactive board game guides in a mobile phone app.
- Cross-platform on Android and iOS.
- Built using Dart, Flutter and Firebase.

PUBLICATIONS

MongoDB Performance Tuning
APRESS
GUY HARRISON & MICHAEL HARRISON

Fast and complete guide to optomize the performance of MongoDB databases and the applications that depend on them.

MongoDB Fundamentals
PACKT
MICHAEL HARRISON ET AL

A hands on guide to MongoDB and Atlas in the real world, with practical tutorials and examples across a variety of topics

CONTACT

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