Antoine LUCAS

Greater Sydney Area

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Summary

I am a passionate application engineer interested in functional design, performance optimization, Database design, server side technologies.

I am looking for team lead opportunities.

My current tech expertise are: GoLang, Vue, Geospatial, Machine learning and SQL.

Experience

Organic Agricultuire apprentice

Freedom Personal Development

Nov 2021 - Mar 2023 (1 year 5 months)

After several years of 70h/week programming, I have taken a break from corporate politics and development work. I still am learning new skills during my free time, such as crypto tech, web3 and I have became fluent with the Arweave ecosystem.

Software Engineer

Netfira

Apr 2021 - Oct 2021 (7 months)

Principal engineer – R&D in signal processing

Independent Business Logic

May 2017 - Apr 2021 (4 years)

I am the principal developer and co-founder of a computer assisted pattern recognition engine. The aim is to detect in real time patterns from time series using polynomial regression with statistical analysis.
- Signal processing and timeseries tick live granularity signal processing
- Large dataset processing and algorithmic complexity optimisation
- Custom AWS clustered design and costs optimisations

Senior Technical Consultant

Deloitte Digital

Feb 2020 - Jun 2020 (5 months)

Frontend Engineer And Business Analyst

Tibra Capital

Nov 2019 - Feb 2020 (4 months)

Senior Frontend Engineer
Fairfax Media

Oct 2017 - Jun 2018 (9 months)
Innovated the custom publishing platform to allow all journalists to design and manage hundreds of newspapers content online (Web & paper).

Senior React/redux Consultant
Squiz

Feb 2017 - Aug 2017 (7 months)
I was part of a large team working on a custom professional CMS from scratch that compete internationally with Adobe AEM, Site core and Facebook for business. I helped design some key components of the portal.

Three.js Geospatial mapping engineer
Geoscience Australia

Nov 2016 - Feb 2017 (4 months)
I (solo) designed and implemented a 3D visualisation of subsurface structures - which allows researchers to have a simple vision of 3D topography - bathymetry, sub surface and rock properties - water layers including borehole locations. While being new within the 3D technology stack and the advanced mapping world, I delivered that product in 3 months instead of the six months originally planned. I also re-wrote the build process of the mapping web-app to add live-reload capabilities and on the fly compilation while reducing the compilation time by 80%.

Senior A11Y Engineer
Marcel Publicis

Mar 2016 - Jul 2016 (5 months)
Following accessibility Oz reports, I fixed many A11Y bugs for an existing codebase to assess and implement accessibility for the Commonwealth Olympic Games 2018. We met the strict deadline just in time

I also implemented 90% of Queensland Child commission design.

Senior Frontend Engineer
Bupa

Nov 2015 - Feb 2016 (4 months)
I created from scratch a new website addressing issues about the first 2 years following child birth for parents and friends - based on a sketch specification.

Senior Full stack CRM Engineer
BoomWork - Sydney Water

Aug 2015 - Sep 2015 (2 months)

Sydney Water needed a fast AngularJS coder to help meet a private client MVP deadline. The product is an industry game changer - which speeds up the processing of complex water connection applications.

Senior FrontEnd Engineer

Bauer Media Group – Australia

Jun 2015 - Aug 2015 (3 months)

Integrated Bauer innovative Fluxible based custom framework with ReactJS and continuous delivery workflow. It was one of the React.js precursor project – being part of an innovative team of 5 engineer, we managed to finish the project on time – despite the breaking new technology.

R&D / CRM Engineer

Veritas Group

Dec 2013 - Feb 2015 (1 year 3 months)

- Online police checks planning, architecture & implementation
- Custom CRM design, architecture & implementation
- Web Services development and integration with the CRIMTRAC API
- UX Design & user engagement optimization
- Analytics & SEO Consulting

Lead Engineer

Jun 2010 - May 2013 (3 years)

- JQUERY based mail client with ACL linked to a custom CRM.
- Ten years of electronic correspondence was imported from a domino legacy system to this new CRM
- 3 Linux dedicated server setup strategy with backup server (MySQL replication & rsync)
- Linux System administration maintenance
- SOAP and REST integration with different Job Feeds providers such as JobG8, Monster, JobRapido and JobAdder to cite a few
- XML job feeds
- Creation of an organized and consistent multi-level location database from several sources
- Optimized Full Text search with ultra-fast grouping and count
- Maintenance and implementation of Google DFP - We had the visit of a Google sales representative that told us that we were N1 in CTR in the Australian market – 4% CTR at the time.

LAMP Developer

Nov 2009 - Apr 2010 (6 months)

The project was a clone of Ali Baba. I mainly wrote a curl crawler engine, a search engine and an admin interface.

Science Teacher

Ecole Française de Khartoum

Sep 2007 - Jun 2008 (10 months)

Taught Maths, Physics and Biology to high school students from diplomatic backgrounds.

Freelance

1001NET

Apr 2005 - Apr 2006 (1 year 1 month)

Various freelance jobs for ad-hoc clients.

Education

University of Montpellier

bachelor degree, computing

2000 - 2001

Polytech Grenoble

graduation, Geotechnic

1998 - 2000

Arago Lycee

BS, Maths - Physics - Chinistry

1995 - 1998

Stanislas

Bachelor of Engineering (BE)

1989 - 1995

Licenses & Certifications

Triplebyte Certified Front End Engineer - Triplebyte

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Skills

Web Services • Software Development • Web Applications • Social Media • Database Design • Web Marketing • Software Documentation • Web Development • Machine Learning • Agile Methodologies