martin**madsen**
software developer, me@martinbjeldbak.com

about
7/56 Hood St
Sherwood 4075
Queensland
Australia

28 years old
+61 413 043 210
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languages
bilingual Danish/English
IELTS score: 8.5

programming
Ruby on Rails
Heroku, AWS (EC2,
RDS, ECS, S3), SQL
CircleCI, GitHub
Actions
LaTeX, HTML, Git
JavaScript (ES6, React)
OS X, Unix

interests
machine learning,
devOps
TDD, functional
programming
service oriented
architecture
web development

experience

since 2016 — **Lead Software Developer, Backend** — NetEngine, Brisbane, Australia
Ruby on Rails software developer working with our clients to build web-based systems across many different industries, from finance to flood mapping. I work on setting up infrastructure in AWS using CloudFormation, to building service objects in Rails and avoiding circular dependencies. I also partake in non-technical activities such as business planning, training new backend developers, etc.

2012-2014 — **Student Software Developer** — Falck Healthcare a/s, Aalborg, Denmark
Development of Ruby on Rails-based system used daily by ca. 40 of Falck's physiotherapists to journal their patients' treatments and wellbeing.

2010-2014 — **Founder** — Divambu (shut down)
Ran my own small company developing and hosting web sites for clients.

education

2014-2016 — **M.Sc.** in Computer Science — Aalborg University (AAU), Denmark
Majoring in Computer Science (120 ECTS)
Specializing in Machine Intelligence

2014-2015 — **Studying abroad** — University of California, San Diego (UCSD), USA
Fully accredited as part of the first year of my master's degree from Aalborg University

2011-2014 — **B.Sc.** in Computer Science — Aalborg University (AAU), Denmark
Majoring in Computer Science (180 ECTS)

2008-2011 — **Student** — EUC Nord - Technical Gymnasium of Hjørring, Denmark
Focus in physics and engineering

other activities

2013-2014 — **Student member of the Study Board** — Aalborg University (AAU), Denmark
Elected position. Handling of educations within Computer Science curricula at the university, quality assurance of education, handling of exemptions, etc.

projects

2015 — **XQuery Processor** — University of California, San Diego, / martinbjeldbak/xquery-processor
Implemented a subset of the XQuery and XPath XML query languages in Java

2016 — **A Hierarchical Tree Distance Measure for Classification** — martinbjeldbak.com/thesis.pdf
Concluded my M.Sc. degree. Published in Proceedings of the 6th International Conference on Pattern Recognition Applications and Methods - Volume 1: ICPRAM 2017, pages 502-509

…and many other projects! I contribute as much as I can to open source and work on other projects for fun. For more examples, feel free to check out my GitHub profile, linked above.