



Rasmus Prentow

Curriculum Vitae

Resume

I'm a passionate software developer. I enjoy working with exciting technology and skilled people. Through my various jobs as developer and as a student at Aalborg University I have become a super-teamworker with a flair for creating Innovative and useful solutions to difficult problems. I value Agile and lean development practices and are a keen developer in multiple languages and paradigms with a focus on web development Working as a full-stack developer I have both strong knowledge of frontend and backend

Experience

2017–present **Software Engineer**, *Uber*, Seattle.

I worked for Uber both in Denmark and Seattle. As a member of the Compute platform at Uber I worked on creating Ubers internal service deployment infrastructure and developed highly scalable systems and platforms.

Detailed achievements:

- React, Go, Node.js
- Orchestration based software (Cadence)
- Infrastructure Software
- Large scale SPAs
- Continuous integration and testing

2016–2017 **Frontend Developer**, *Creuna*, Aarhus.

I have acted as lead Frontend developer on several projects for Vestas.

Detailed achievements:

- Design and implementation of app in Angular 2+
- Component-based architecture
- Mobile-First development
- Continuous integration
- Implementation of Scrum

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2015–2016 **Full-Stack Developer**, *Bambora*, Aalborg.

At Bambora I have taken part in developing a state-of-art payment window for online checkout.

Detailed achievements:

- Design and implementation of Payment solution in AngularJS
- Mobile-First development
- .NET and WCF services
- Continuous integration
- Implementation of Scrum
- Domain Driven Design
- Design of RESTful API
- Localization and Globalization

2014–2015 **Software Engineer**, *Neogrid Technologies ApS*, Aalborg.

Neogrid works with development and commercializing of solutions for Smartgrid. Producing solutions, based on the newest technology, with focus on the customer.

Detailed achievements:

- Client-Server infrastructure
- Agile Development
- Project Management
- Enterprise Java-solutions
- Frontend and backend development

2013–2014 **Project Manager**, *Pay E-Safe ApS*, Aalborg.

Development of an electronic payment system specialized for the East African market. The payment solution solved current needs for western companies establishing new businesses in East Africa.

Detailed achievements:

- Project Management
- ZeroMQ Architecture
- Embedded systems development
- Transition of product from development to production
- Microservices (Hexagonal architecture)
- Antifragile Software
- eXtreme Programming
- Security Engineering

2010–2014 **CTO**, *Vubla I/S*, Aalborg.

Developed a search engine capable of spelling and synonym correction comparable with ElasticSearch, a product fetcher, tools for internal management, client backend, and more. The solutions are all cloud based services.

Detailed achievements:

- Project Management
- Development of search engine
- Recourse and staff management
- Key Account Management
- Server and Cloud orchestration
- Deployment and Maintenance
- Security

2014 **Teaching Assistance**, *Aalborg University, Aalborg.*

Assisting teacher and aiding students during class exercises in Object Oriented Programming, C#. Detailed achievements:

- Coordination and planning of teaching
- Guidance with tasks

2011–2013 **Developer**, *Innowell ApS, Hjøllerup.*

Development of various moodle tools herincluded payment gateway integration and a full shop system.

Detailed achievements:

- Security and Server management
- Development
- Customer support
- Team recruiting
- System administration

Education

2012–2014 **Masters of Science, Software Engineering**, *Aalborg University, AAU.*

Specialized in System Development, Software Innovation

2009–2012 **Bachelor of Science, Software Engineering**, *Aalborg University, AAU.*

Through the years at AAU I have been working in various project groups and developed several complete systems.

Relevant Courses:

- Computability and Complexity
- Programming Paradigms
- Design, implementation and Evaluation of User Interfaces
- Languages and Compilers
- Object-oriented Programming
- Algorithmics and Data Structures
- Test and Verification of Software
- Software Engineering
- Multi-project Management
- Database Management Systems
- Data-Intensive Systems
- Web Engineering
- Mobile Software Technologies
- Software Innovation
- Advanced Programming

Masters Thesis

Title *Software as a Business - the case of Electronic Payments in Uganda*

Supervisor Associate Professor Ivan Aaen

Description The thesis explored the possibilities of using the Business Model Canvas and an innovative development approach, Essence together to create value. The case is the development of a micro-payment system for Uganda.

Detailed achievements:

- Development of complete payment system within 9 months
- Usability test in Kasese, Uganda
- Development of Business Model
- Micro-service architecture (Near-decomposability)
- Emergent design & rapid prototyping
- Pragmatic & innovative software development

Volunteering

2013–present **President**, *F-Klubben*, Aalborg.

F-Klubben an social organization with most members from department of computer science herincluded employees. As president I keep the main responsibility of all activities and managed the different teams within the organization.

Detailed achievements:

- Creation and Management of Subcommittees
- Conducting General Assembly
- Conducting Board meetings

2010–2014 **IT Assistant**, *DSE*, Aalborg.

General IT support, development of various internal tools.

Miscellaneous

2008 **Private**, *Danish Defense Forces*, Aalborg.

Basic military service

2007–2008 **Manager**, *McDonalds*, Hjørring.

2005–2007 **Employee**, *McDonalds*, Hjørring.

Publications

2015 When value is Greater than Money: a Micropayment System in Uganda

Technologies

Basic Erlang, Haskell, Scala

Intermediate C,C++, Map-Reduce, Python, Android, Swift, DynamoDB, WebPack, i18n, Cadence

Advanced Go, Node.Js, React, Java, C#,.net, bash, PHP, GIT, SQL, NoSQL

Platforms Linux (Debian, Ubuntu, Arch, Angström, Red Hat), OS X, Windows

Press

AAU <http://www.aau.dk/nyheder/alle-nyheder/vis/betalingsystem-til-verdens-fattigste.cid119160>

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Languages

Danish **Mothertongue**
English **Advanced**
German **Basic**

Written and conversationally fluent

Basic words and phrases only

Interests

- Stand up Paddling
- Welding
- Traveling
- Running
- Coding