

Michael f. Otterstedt

http://

- [Latest Version of this CV](#) - <https://github.com/otterstedt/me/blob/master/CV/michael.f.otterstedt.md>
- [GitHub](#) - <https://github.com/otterstedt/>
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Degree

Chalmers University of Technology, Göteborg, Sweden

Bachelor of Science in Computer Engineering

Certifications

Ericsson

Integration Engineer - Experienced

Objective

- Modern Tools & Frameworks
- Developer/Integrator
- CI/CD/Test
- Environment with DevOps mindset
- Automation
- Encouraging & Passionate Environment
- Knowledge sharing between colleagues/departments
- Remote Friendly

Skills

- Full Stack
- Highly Skilled Troubleshooting Mindset
- Quick Learner

- Beyond the Buzzwords

Java, Spring, Javascript, Nodejs, MQTT, Python, Scala, PHP, Bash, Linux, OSX, Windows, AWS, JMeter, Scrum, Nginx, Ansible, Docker, Automation, Jenkins, System Administration, SQL, NoSQL, Web, HTML, CSS, REST, Swagger, Systems Integration, IoT, GIS, Grafana, systemd, Home Automation, Raspberry Pi, Technical Training, IntelliJ, Eclipse, Git, Svn

Software Engineering Work Experience

Current

CN Railways, Montreal, Canada

Integration Engineer

In house monitoring platforms

- Deployment of rails/train monitoring systems to multi site clustered environments
- Troubleshooting
- Implementation of automated deployments
 - From complex full day manual error prone deployments -> 15 mins coffee break

Moogsoft

- Installation/Configuration of on premise components
- Working with operations team to customize the cloud platform for their needs
- Troubleshooting

Ansible

- Projects
- Roles
- Playbooks

Ansible Tower

- Setup Ansible projects as single point of entry for automated jobs
- Dynamic inventories using plugins/scripts

ServiceNow

- Development of automated flows creating incidents etc. from incoming events/alerts.
- Dynamic Ansible inventories

2019

Ericsson, Montreal, Canada

Integration Engineer

IoT Accelerator Platform - DDM (Device & Data Management)

- API Development for Environment Monitoring, Connected Traffic
- Integration components for external systems/clients
- Automated deployments with Ansible
- IoT Gateway Development
- Thingworx Integration
- Unit/Integration Testing
- Organized Knowledge Sharing Sessions
- Training for internal and external customers
- Development of theoretical and practical training material
- Classroom Training Delivery
- Automated training environment
- Grafana Data Source Plugin
- Ansible Module Development

Ansible, Nodejs, Java, Javascript, Linux, AWS, Azure Event Hub, Kafka, Jenkins, Docker, NoSQL, REST, coap, lwm2m, Thingworx

Multi Service Delivery Platform (Ericsson MSDP)

- Product customization for a US mobile operator
- Product customization to use as an e-commerce backend
- Troubleshooting, Troubleshooting & Troubleshooting.
- Training for internal and external customers.
- Development of theoretical and practical training materials
- Classroom Training Delivery
- Automated training environment setup

Ansible, Java, Javascript, Spring, Linux, AWS, JBoss, Oracle, HTML, CSS, XML, Jenkins, F5, Selenium

2015

Evry, Göteborg, Sweden

Java Consultant.

SAP Hybris

- Implementing an e-commerce product database for an international hygiene brand.
- Customer adaptation with the SAP Hybris platform
- Collaboration with the front end team

Hybris, Java, Spring, Tomcat, SOAP, XML, Jenkins

2011

Ericsson, Göteborg, Sweden

Integration Engineer

Business Unit Global Services

Multi Service Delivery Platform (Ericsson MSDP)

- Product customizations and customer adaptations.
- Delivery of custom solutions for Telecom Operators
- Java, Spring, JBoss, Linux, Solaris

Java, Spring, JBoss, Linux, Solaris, Apache, XSL, XML

Drutt was acquired by Ericsson in 2007

2007

Drutt, Göteborg, Sweden

Drutt Professional Services Consultant.

Implemented, integrated and delivered solutions based on MSDP.

Mobile Service Delivery Platform (Drutt MSDP)

- Product customizations and customer adaptations.
- Delivery of custom solutions for Telecom Operators

Java, Spring, JBoss, Linux, Solaris, Apache, XSL, XML, PHP

2006

Prodocon, Göteborg, Sweden

Support/Technical Department**Domain name management company**

- Developed Intranet
- Phone/E-mail Support

Linux, Apache, MySQL, PHP

2005

Hobby Project

2018

OTTERNET

Connecting three trans Atlantic sites with a control/monitoring center in the AWS Cloud.

- Home
- Chalet
- Car

Integration of local systems with an AWS based cloud. Consists of a mix of home made scripts/hacks and applications together with various open source software. Monitor and control the sites from web based GUIs.

Automatic Deployment locally and to the remote sites with Jenkins and Ansible

Nodejs, Java, HTML, CSS, Nginx, MongoDB, InfluxDB, Grafana, Python, SSH, Home Assistant, MQTT, Bash Scripting, Ansible, Jenkins, Docker, Linux, SELinux, AWS, Raspberry Pi, GIS, motion, Tensorflow, Open Street Map, Leaflet, SenseHat, Caching, IoT Edge, Integration, Swagger

Sites**Cloud**

Multiple AWS instances to integrate all local sites. Hosts databases and web based GUIs to access data, monitor and control. Local sites integrate towards the cloud central and provide access through remote tunnels. Home assistant is used as a central to integrate with various 3pp cloud services and the local sites with MQTT.

Kartrak Web Application

Web application to render all the historical routes on a map made by the car, including front window images and sensor data like speed, direction, temperature etc.

Possibility to recreate a driven route with a car moving around on the map based on real data.

HTML, Javascript, CSS

Otternet API Application

REST API to retrieve all collected data

Nodejs, Swagger, MongoDB

Open Street Map

Local map tiles server used in Kartrak to plot routes.

Tileserver GL, Leaflet

Grafana

Graphical dashboards to monitor current and historical data collected from the different locations.

Grafana, InfluxDB, Bash

Jenkins

Automatic deployments across the different sites

Jenkins, Ansible

Home Site

Cameras, Switches and Sensors

Outdoor camera. Switches to control power and lights. Automate lights and media depending on presence and various actions.

Automatic coffee making to get fresh coffee when it's time to get up.

Home assistant is used as a local central to monitor and control/automate local actions.

Chalet Site

Cameras, Switches and Sensors

Indoor and outdoor cameras. Switches to control lights and cameras. Home assistant is used a local central to access the data and control the local switches.

Car Site

Camera, GPS and Sensors

Raspberry Pi collects road view images and all the driving location data including sensors like gyroscope, temperature etc.

Saves all data locally and uploads to the cloud based central server when connection is available.

2016

Other Work Experience

2018

Personal Business, Europe

Touring Services

- Tour Manager
- Driver
- Logistics

Planning & Management of Tour Logistics

2006

Education

2004

- Chalmers University of Technology, Göteborg, Sweden

Additional Master of Science courses

2003

2002

- Chalmers University of Technology, Göteborg, Sweden

Bachelor of Science in Computer Engineering

*Software Engineering Program***1999**

- Chalmers University of Technology, Göteborg, Sweden

*Technical Preparatory Year***1998**

- Military Service, Karlskrona, Sweden

1997**Finnvedens Gymnasium (College)**

- *Samhällsprogrammet Ekonomi*
- *Society Studies Program - Economics*

1994

Languages

- Swedish - Native
- English - Fluent
- French - Improving
- German - Basic

Work Permits

- Canada - Citizen
- European Union - Swedish Citizen
- USA - Employer Specific