

Naveenkumar Perumal

SENIOR SOFTWARE ENGINEER · SCALA DEVELOPER

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Summary

I'm a Scala developer who believes in continuous learning. I like working with microservices, functional programming, distributed systems, and software design.

I most recently worked at Monedo where I built and maintained the Scoring Engine to assess the credit-worthiness of a customer.

Skills

Programming Languages	<i>In Regular Use:</i> Scala, Java <i>Familiar:</i> Python, C, C++ <i>Scripting:</i> Shell, Javascript
Frameworks & Technologies	<i>Tools:</i> Elasticsearch, MongoDB, RDBMS (PostgreSQL), RabbitMQ, Redis <i>Libraries:</i> Scala - Akka Toolkit, Cats, ZIO, Distage, Circe; Java - Struts 2.0, Hibernate 3.0, EJB 3.0
Tooling & Operations	Docker, Jenkins, GitLab CI/CD, Terraform, Amazon Cloud (AWS)

Experience

LetMeShip

SENIOR SOFTWARE ENGINEER

Hamburg, Germany

Feb. 2021 - Present

- Breaking down the existing monolithic application to microservices.
- Building up a new tech stack in Scala.

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SOFTWARE ENGINEER - BACKEND

Hamburg, Germany

Nov. 2020 - Feb. 2021

- Added features to the existing services.
- Simplified the build pipeline in Gitlab CI/CD.
- Worked on the BCM (Business Continuity Management) task.

Monedo Holding GmbH (formerly Kreditech Holdings SSL GmbH)

SENIOR SOFTWARE ENGINEER

Hamburg, Germany

Aug. 2017 - Oct. 2020

- Acted as a co-Tech Lead for the past 1 year for the Underwriting team.
- Developed the Scoring Engine using Akka Streams that executes the decision tree from a score-card, consuming from and writing data to RabbitMQ topics.
- Built the Orchestrator component using Akka HTTP which orchestrates the dynamic selection and invocation of Data Science machine-learning models based on the assigned weight of the model, and generates the offer/rejection.
- Developed several external service connectors that are invoked by the Scoring Engine to collect data of the customer using Akka HTTP.
- Worked on the DataWriter and DataReader components developed using Akka Streams and Akka HTTP that streamlines the operations to MongoDB.
- Deployed a centralized monitoring environment (Kibana Visualization, New Relic) which gathers system metrics as well as docker run-time metrics.

Nokia Networks

R&D ENGINEER

Bangalore, India

Apr. 2015 - Aug. 2017

- Implemented REST APIs for data handling and the support of configuring WiFi-AP in the Cloud-based Wireless LAN Controller.
- Helped build and maintain the features of the customer-facing UI web components.
- Built dynamic reporting charts for the Cloud-WLAN controller administrator that shows the real-time metrics of the attached WiFi-APs.

Accenture Services Pvt. Ltd.

SOFTWARE ENGINEERING ANALYST

Bangalore, India

Jul. 2012 - Apr. 2015

- Helped build and maintain features of the backend event-based Vehicle Tracking application built on message parsing.
- Designed REST APIs that facilitates the administrator users to send communication to any vehicle in their fleet and get their real-time status.
- Built the ETL pipeline over Pentaho Reporting suite.

Education

Anna University

B.E. IN COMPUTER SCIENCE AND ENGINEERING

Chennai, India.

Aug. 2008 - May. 2012

- One among top 15 teams in IBM TGMC 2011 software contest in India.
- Organizer of the TEDx event, TEDxSonaCollege.