

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 currently work at Monedo where I build and maintain the Scoring Engine to assess the credit-worthiness of a customer.

I currently program in Scala. But should the need arise, I'm open to exploring other realms of functional programming as well.

Skills

Programming Languages

In Regular Use: Scala, Java
Familiar: Python, C, C++
Scripting: Shell, Javascript

Frameworks & Technologies

Tools: Elasticsearch, MongoDB, RDBMS (PostgreSQL), RabbitMQ, Redis
Libraries: Scala - Akka Toolkit, Cats, ZIO, Distage, Circe; Java - Struts 2.0, Hibernate 3.0, EJB 3.0

Tooling & Operations

Docker, Jenkins, Terraform, Amazon Cloud (AWS)

Experience

Monedo Holding GmbH (formerly Kreditech Holdings SSL GmbH)

Hamburg, Germany

SENIOR SOFTWARE ENGINEER

Aug. 2017 - Now

- 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

Bangalore, India

R&D ENGINEER

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.

Bangalore, India

SOFTWARE ENGINEERING ANALYST

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

Chennai, India.

B.E. IN COMPUTER SCIENCE AND ENGINEERING

Aug. 2008 - May. 2012

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