

AVINASH ERUPAKA

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Professional Summary

Developing software for the past 7+ years. I enjoy building fast, responsive, intuitive, dynamic and robust web and mobile application, both at small and enterprise scale. I have proficiency using tools like React.js, Redux, Bootstrap, Material Design for the front end, Node.js, Scala, Clojure and Java for the back end. I leverage AWS as a cloud provider. A Data Science, Machine Learning and Artificial Intelligence enthusiast.

Skills

Functional Programming

Java

JavaScript

Scala

Python

Node.js

Spring

React, Redux

Product Design

Micro Services

MongoDB

Cloud Computing

Amazon-Web-Services (AWS)

Deal with Data Volume, Velocity and Variety.

Apache Kafka

DevOps

Hadoop

IoT

Agile

Business Process Automation

Machine learning

Data Science

Work History

Senior Full Stack Developer - Monsanto Company

Dev-Teams: Bullseye (now Phoenix) and Super-Friends

Employer: Lead IT Corporation.

Creve Coeur, MO | 2017 – Current

- Full Stack Developer with a focus on DevOps and agile test driven development in support of products for Monsanto Company operations platform.
- Designed and developed modular web components to be leveraged by manufacturing and marketing groups to make business decisions. Provide LOE for requirements, brain storm on business problems and delivering working software in an iterative process.
- Build stack of Microservices using languages like Scala and Node-JS
- Setting up and maintaining our data layer, with DB tech such as MongoDB and Neo4J.
- Product characterization is a global app connected to more than 10 API's internally.
- Building self learning predictive models based on last 6 years ratings using ML algorithms for biotech and marketing helping them in lot of business decisions.
- Present model result and analytical data with modern chart UI's using D3 and google charts.
- Built responsive, cross-device applications from ground up using React, Redux, Javascript, CSS, Scala and Node.js.
- Configured platforms including Akka, Akana, AWS and Jenkins.
- Investigating on cutting edge technologies and leveraging them in mainstream application
- Performed a technical evaluation for code quality, security issues, database schema scalability, workflow, usability and design.
- Train Entry Level Developers on software practices and architecture choices.
- Active contributor for "engineering.monsanto.com" blog, reviewing technical content.

Senior Software Engineer - Enterprise Rent-A-Car

Employer: Lead IT Corporation.

Weldon Spring, MO | 2014 – 2017

- Involved in Design and Development of technical specifications using Java, JEE and Spring.
- Developed core Pricing modules and API's utilizing multithreading programming concepts and developed applications to support large scale workloads for HVHA environment.
- Configured Jenkins infrastructure evangelizing CI/CD and DevOps .
- Architected a cloud, Hadoop distributed 'Rental Segmentation' solution, for adjusting rental rates by shopping competitors. This project proved to increase enterprise profits.
- Developed regression test suite to verify services health before moving code to production.
- Instrumental in evaluating and bringing on new technologies such as ReactJS and AWS etc.
- Coached ELD's, key for introducing practices like Micro Services, Functional programming, Mob programming and Agile practices. This improved overall teams productivity.

Software Developer - Bank of America

Employer: Indus Valley Consultants.

Austin, TX | 2013 - 2014

- Responsible for building a stack of web applications serving different corporate clients.
- Set up online payments with e-signatures, email scheduling, and PDF form creation.
- Interfaced with SOAP & REST endpoints, from Google to Docusign to Payment API's.
- Created a customer-facing payment and management portal.
- Managed uptime and server management using VMware and Amazon cloud services.
- Applied ILM policies for different group of data to analyze how data can be deleted without impacting the application.
- Developed generic offline & online stored procedures for archiving & purging data.

Graduate Assistant/Web Admin – Wright State University

Employer: Wright State University.

Dayton, OH | 2012 - 2013

- Developed and maintained internal university websites like alumni connect, international student portals and several student government applications.
- Implemented MVC architecture using spring eco system technologies, Java and Hibernate (Spring DAO) and used JSP, HTML and CSS for front end .
- Published REST API's to fetch data from Elastic Search clusters to return variety of information like organization histories, student records etc.
- Built REST API that streams data from different channels(Facebook, email's etc.), creates real-time events and pushing them to student volunteers who assist in student pick up and on boarding.
- Rewrote Indian Student association website with more fluid and modern design.
- Test new software packages and see if they can be used for our application.

Software Engineer

MBR Informatics

Hyderabad, India | 2011 – 2012

- Developed Web application and IoT apps for various clients.
- Hardware design (microcontrollers, sensors, gateways) based on client requirement.
- Performed device/chip I/O level testing and capturing metrics for benchmarking purposes.
- Built fresh user interfaces using HTML, CSS, javascript in turn publishing many reusable client libraries for other teams.
- Built SOAP & REST based API's to be consumed by various client's internal and external.
- Participated in Code migration and resolving code conflicts in various versions.
- Provided support for hardware and software systems.

Education

Master of Science: Electrical Engineering, **2013**

Wright State University - Fairborn, OH

Bachelor of Technology: Electronics and Communication Engineering, **2012**

Jawaharlal Nehru Technological University - Hyderabad, Telangana, India

Accomplishments

- Received “Value Award” and “Global Dominance Award” as a team for Product Characterization application (Global product part of Monsanto’s PLCM pipeline)
- Received POB (Pat On the Back) from Business group for providing a solution to business problem. (at Enterprise Rent-A-Car)
- Appreciation from management for introducing new programming practices like Mob-Programming (at Enterprise Rent-A-Car)

Certifications

- Machine Learning A-Z TM - 2018, Udemy (In Progress)
- IBM Blockchain Essentials - Jan 2018 – Present
- AWS Certified Developer - Associate
Dec 2017 – Dec 2019 - License ETV48FV121RE1WK6
- Big Data & Hadoop Developer, Edureka, 2015
- Oracle Certified Professional, Java SE 6 Programmer – 2012
- Data Structure and Algorithms in Python, MITx

Volunteer Experience

- Mathematics Tutor (Kids under "No Child Left Behind Act of 2001, USA"), TutorCo, **2011**
- **President** Indian Student Association, Wright State University, **2012**
- Instructor @ YES Program (Software Engineering), Saint Louis Science Center, **2015**