Shiveen Pandita

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CAREER HISTORY

Ordermentum, Australia — Senior Software Engineer

June 2018 - Present

Joined the team as a senior engineer leading the technical design and delivering scalable and performant event-driven JVM based microservices for a team looking to move away from NodeJS monolith architecture for an app used daily by circa 60000 suppliers and retailers on both web and mobile.

J.P. Morgan, Australia — Intermediate Software Engineer

February 2017 - June 2018

Got promoted to mid level software engineer and moved to a project team building a client facing accounting software with well defined enterprise design patterns and loosely coupled microservices mesh architecture. The application was meant to be used daily by 1600 employees, which helped me hone my skills on distributed system design and design tradeoffs.

J.P. Morgan, Australia — Junior Software Engineer

January 2016 - February 2017

Worked within an agile team to deliver a compliance reporting application. The reporting application was meant to be an internal tool focussed on providing checks and balances to daily settlement transactions. Was also simultaneously involved in development operations, helping the internal team onboarding to cloud foundry for microservice deployment and evangelise the use of CI/CD via jenkins and a custom built internal tool.

PROJECTS AND ACHIEVEMENTS

Ordermentum

- Building and deploying a massively parallel data processing applications that stream processes terabytes of data everyday fed through scheduled and non-scheduled reports using kotlin and in-house stream processing libraries similar to Apache Spark,

- Worked on building accounting and payment microservices, migrating from the NodeJs codebase.

SKILLS

Methodologies:

- Agile/Scrum/Kanban
- Test Drive Development (TDD)
- Continuous Integration/Continuous Deployment (CI/CD)

Key Proficiency Languages:

- Java
- Kotlin
- Javascript
- Rust

Supplementary Proficiency Languages:

- Python
- SQL (POSTGRES, MySQL, SYBASE ASE)
- Swift

Software Development Frameworks:

- Spring Ecosystem (Boot, JPA, Security, Webflux, MVC etc.)
- VueJs
- Angular (JS through 4)

DevOps:

- Experienced in setting up continuous deployments

- Extensive experience with AWS, Kubernetes, Docker and Lambda

- Experience in building distributed systems for the cloud while minimising costs

- Design, build and orchestrate production deployments for applications that fully integrate with ERP and CRM systems like Netsuite, Microsoft Dynamics 365, Unleashed etc. – providing the business with a scalable and robust solution.

- Contributed in building from scratch open source libraries in rust and kotlin which have subsequently been release to the community.

Key Tech Stack:
- SpringBoot with Kotlin using spring webflux (refer to my official blogpost [here](#)) and integrating off the shelf java libraries
- ElasticSearch
- Secure OAuth based event driven microservices
- Lightweight JVM microservices deployed on kubernetes
- Rust for places where performance and reliability is paramount
- Postgres database

JP Morgan

- Worked in an Agile team to deliver DROOLS based global accounting exception system which allowed users of superannuation accounts a full breakdown of issues that might have happened in previous day accounting close.

- Worked in a globally distributed team to migrate a financial investment portfolio compliance portal built in python to JVM using the Vert.x framework.

- Designed and built a production metrics managment application in python from scratch enabling operations teams to respond to issues faster with more transparency.
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Key Tech Stack:
- Springboot with spring MVC
- Angular and Play frontend frameworks
- Elastic Search
- Sybase database

EDUCATION

University of New South Wales, Sydney — *Master of Engineering Science in Telecommunication Engineering*

March 2013 - December 2014

D.C.R. University of Science and Technology, India —
Bachelor of Technology in Telecommunications Engineering

March 2008 - March 2012

HOBBIES AND INTERESTS

– Hiking
– Landscape photography
– MMA (amateur muay thai enthusiast)
– Open source software and sane programming languages