

Kiran Varma

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Summary

I am a Dynamic, self-motivating Senior Software Engineer with over 10 years of experience in designing and developing solutions across various tiers of software stack. I have worked on greenfield and established projects developing server-side and client-side web based applications. I am able to work independently or can fit into any team and immediately contribute my experiences and skills. I am passionate about delivering high quality software and learning new technologies.

Main Skills

- Node.js, Typescript, Javascript, React, Express.js, Fastify, Nest.js, Knex.js, Mocha, Jest, Chai, SuperTest, Codecept, Nightwatch, Sinon, Nunjucks, HTML, CSS.
- Java, Spring, Spring Boot, Junit, Mockito, Wiremock, Gradle, Maven.
- Restful API, Git, Docker, Kubernetes, Helm, OAuth 2.0, Scrum, Kanban, Shell Scripting, OpenAPI, Swagger, Argo CD, Jenkins.
- DynamoDB, PostgreSQL, Redis, Oracle, Microsoft SQL Server, MySQL.
- Microsoft Azure, AWS, Serverless framework, Infrastructure as code (IaC).

Experience

NewLook: Senior Software Engineer

Jul 2022 - Present

Skills: Node.js, NestJS, Typescript, JavaScript, Azure, Docker, Kubernetes, Helm, PostgreSQL, Redis, Jest, Restful API, Argo CD, Mulesoft, Wiremock.

Worked on implementing Backend For Frontend architectural design pattern for NewLook mobile/web app.

Roles and Responsibilities:

- My role as a senior engineer is to understand requirements, create OpenAPI spec from requirements, setting up nest microservices, build Restful APIs for mobile and web applications.
- Setup development and test environment in Azure with API Management Service, AKS, Azure PostgreSQL, Azure Cache for Redis.
- Used helm to manage kubernetes applications.
- Implemented CI/CD using Github actions and Argo CD.
- Unit testing and build postman collections for api testing.
- Configured Infrastructure as code using Azure ARM to create/modify environments.
- Work with and mentor junior developers in the team through pair programming, knowledge sharing and code reviews.

Sainsburys Bank: Senior Software Engineer

Mar 2022 - Jun 2022

Skills: Node.js, Express, Typescript, JavaScript, AWS, Lambdas, DynamoDB, Restful API, Serverless, Redis, Jest.

Worked on implementing balance transfer API and backend logic for a credit card application.

Roles and Responsibilities:

- My role as a senior engineer is to understand requirements, setting up express application, build Restful

- APIs and service layers for the application.
- Build Balance Transfer API and all related endpoints on AWS API Gateway and lambda functions.
- Work with and mentor junior developers in the team.
- Active participation in story refinement, story estimation, three amigos/story kickoff sessions, retro and also run scrum meetings for a few sprints.

Kainos - NHS: Senior Software Engineer

Nov 2020 - Mar 2022

Skills: Node.js, JavaScript, React, AWS (DynamoDB, API Gateway, Lambda, Step Functions, SQS, SNS), Serverless.

Working on NHS COVID Home Testing application. My role as a senior developer is to have active participation in designing and development of new areas of the application and also work with junior members of the team to help deliver user stories.

Roles and Responsibilities:

- New feature development, code refactoring, code reviews, unit testing, e2e testing.
- Worked extensively on backend service layer building business logic.
- Configured Infrastructure as code using Serverless framework to manage serverless applications.
- Worked on frontend user journey by creating reusable React components
- Active participation in story refinement, story estimation, three amigos/story kickoff sessions and retro.

Kainos - Ministry of Justice (HMCTS): Software Engineer

Jan 2018- Oct 2020

Skills: Node.js, Java 11, TypeScript, Express, OAuth 2.0, Mocha, Chai, SuperTest, HTML, CSS, Docker, Kubernetes, Microsoft Azure, Jenkins, Microservices, PostgreSQL

Worked in 2 projects during this period. First project is working as a full stack developer to develop civil money claims platform. My key contribution to the project was working on a rules engine to determine court judgement which is the most important part of the application. Second project is working as a Java backend developer to develop Family Public Law and Adoption application which is used by councils across the UK. Project code is available to the public on github, my contributions can be viewed here - <https://github.com/KiranVarma02>.

Roles and Responsibilities:

- New feature development, code refactoring, code reviews, unit testing, Integration testing, e2e testing.
- Developed Rest APIs using Java and Node.js.
- Developed frontend user journey using Express.js routing/middleware and Nunjucks templating engine.
- Implemented OAuth 2.0 and OpenID to verify end user identity by authorisation server.
- Worked on live support defect resolution after major releases.
- Active participation in story refinement, story estimation, three amigos/story kickoff sessions and retro.
- Mentoring junior members of the team and knowledge sharing with other devs/testers.

Royal Bank Of Scotland - Software Engineer

Jun 2015-Nov 2017

Skills: Java 8, Javascript, TypeScript, Angular, Spring MVC, HTML, CSS, Teradata, Oracle, Tomcat, TeamCity

Worked as a full stack developer to create a regulatory reporting platform which is a web based Spring MVC application that uses AngularJS for frontend development. REST services are used to handle client-server requests. My role was in developing backend services layer to apply business rules, expose data to the reporting layer as Restful Services and show data in frontend reports. Also worked on supporting/defect resolution for the entire application.

Royal Bank Of Scotland - Senior Data Integration/Business Intelligence Consultant Sep 2012-Jun 2015

Skills: Informatica Power Center, Java 7, Tomcat, Spring MVC, Oracle, Oracle Essbase, UNIX – AIX.

Worked in Harmonised Regulatory Reporting Programme to deliver common reporting (COREP) for the European Banking Authority. My role was to design, develop data flows from various data source systems, apply data transformation logic and prepare data for the reporting platform and technically lead a team of 5 developers to deliver reporting solution. I have also worked on java backend application using Rest services which enabled business users to do adjustments to COREP data.

Agile Solutions, UK – Various Clients

Oct 2007-Sep 2012

- **London Stock Exchange Group (LSEG) - Data Integration Consultant**

Skills: Informatica Power Center, Informatica MDM, Oracle, UNIX - AIX

LCH Clearnet has a requirement to submit daily regulatory reports to the Commodity Futures Trading Commission (Dodd – Frank Act) from various Trading systems (SwapClear, Forexclear, CDS..). My role was to design, develop data flows from various source systems, apply data transformation logic and prepare data for reporting platforms and lead other developers to deliver solution.

- **AVIVA Insurance, York - Data Integration Consultant**

Skills: Informatica PowerCenter, Oracle, UNIX - AIX, Perl Scripting

As part of solvency 2 directive, AVIVA has a requirement to report on all the assets which AVIVA holds with AVIVA Investors and various AVIVA partners. Project is to gather investors data from all the data providers, apply business transformations and load in to dimensions and facts for Investment reporting. My role was to design and develop data transformation logic.

- **Directline Insurance, London – Data Integration Consultant**

Skills: Informatica PowerCenter, Informatica Power Exchange, Oracle, UNIX.

Worked in R&PI Project which is an initiative to deliver an integrated cross brand cross product scalable Data Warehouse, by collecting and collating data from different legacy systems, in real time, to enable improved Rating and Pricing capabilities. My role as a consultant was to design, develop and guide junior team members in the development process.

- **QBE Insurance, London - Junior Data Integration Consultant**

Skills: Informatica PowerCenter, Business Objects, Oracle, T-SQL, Sql Server, UNIX, Microsoft SSIS, C#.

Worked on Development, Support and Enhancements for Management Integration Systems (MIS) Data Warehouse application which is used for

Education

- **Master of Business Administration** from Glasgow Caledonian University, UK (2006).
- **PG Diploma in High Speed Networks** from Oxford Brookes University, UK (2004).
- **Bachelor of Engineering** in Electronics and Communication from University of Madras, India (2001).