Nikhil Mopidevi

Willing to relocate anywhere in the US

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SUMMARY

- **4+ years** of professional software development experience
- Master's degree in computer science
- Skilled at writing functional, efficient, and maintainable code both independently and within a team
- Proficient in **C#, .NET Core, Java, Angular, JavaScript, Cloud (AWS, Azure)**
- Oracle Certified Java Programmer

EXPERIENCE

Expedia   *July 2021 – Present*
Software Development Engineer II   Seattle, WA

- Working in the Regulatory Solutions team of Vrbo, developing solutions for regulatory, registration, and tax requirements.
- Developed scalable backend services using **Java, MySQL,** and **Cassandra.**
- Created **RESTful Web Services** using **Java, Dropwizard**, Jersey web framework, and Jetty HTTP server.
- Designed and developed a validation service which interacts with external APIs of jurisdictions.
- Published events to **Apache Kafka** for downstream services to consume.
- Created unit tests using **JUnit** and **Mockito.** Achieved 90% code coverage in most services.
- Created frontend components for internal web portal in **React.**
- Created BullMQ jobs in **Node.js** application to generate reports on demand.
- Monitored applications using **Splunk** logs and **Datadog.**
- Configured CI/CD pipelines using **Jenkins** and **Spinnaker.** Published artifacts to **JFrog Artifactory**.

Microsoft   *Mar. 2020 – July 2021*
Contract Software Engineer   Redmond, WA

- Contract software engineer position in Azure through Zen3 Infosolutions.
- Developed scalable backend services using **C#, .NET, Entity Framework,** and **SQL Server**.
- Created **RESTful Web Services** using **C#, ASP.NET Web API** and made them available for external services.
- Used **Autofac** IoC container, **AutoMapper** for mapping objects, **Swagger** for API documentation, and **NSwag** for generating TypeScript models for frontend.
- Created **SQL Scripts, Stored Procedures,** and **Entity Framework Migrations.**
- Created and scheduled jobs using Quartz Scheduler for running asynchronous tasks, sending notifications, and for syncing data between various data sources.
- Built various components in **Angular** (**6+)** and **TypeScript** for web portals.
- Architected and developed a robust and extensible data quality monitoring system – created design doc, created ER diagrams, and successfully built the system.

Omniboom   *Jan. 2018 – Feb. 2020*
Software Engineer   Cincinnati, OH

- Developed a scalable cloud-based integration platform using **C#, .NET Core,** and **Microsoft Azure** cloud services.
- Implemented microservices architecture using **Azure Service Fabric**.
- Created **RESTful Web Services** using **C#, ASP.NET Core Web API** and documented using **Swagger.**
- Implemented custom JSON Web Tokens (JWT) generating service for **Authentication** and **Authorization.**
- Developed **Windows Services** using **.NET Core Worker Services** and handled all service lifecycle events.
- Built the user facing web portal of the platform using **Angular (4+)** and **TypeScript.**
- Created custom Angular directives and Angular modules to use third-party libraries.
- Built various form components using **Angular Reactive Forms.**

- Used Angular Routes**,** Resolvers**,** Guards, Interceptors, Services**,** Models, and RxJS to create fast, dynamic, and robust components.
- Worked with various technologies such as **Apache Kafka, Azure Event Hubs, Azure Functions, Azure Logic Apps, Azure App Service, SignalR**, etc.
- Configured CI/CD pipelines using **Azure DevOps.**
- Followed **Agile Software Development** methodologies and practices.

Tata Consultancy Services   *Dec. 2015 – May 2016*
Software Engineering Intern   *Hyderabad, India*
- Created virtual machines in the cloud using OpenStack, a cloud computing platform.
- Reduced total costs by 80% and improved server uptime close to 100%.

Google   *Sept. 2013 – May 2014*
Technical Lead, Google Student Community   *Hyderabad, India*
- Led and supervised the technical work for all the college events conducted by Google, and helped promote Google products on the campus.
- Worked with an enthusiastic team to achieve promotional objectives.

SKILLS
Programming Languages C#, Java, C, C++, Python

Web   Angular, React, TypeScript, JavaScript, WebSockets, RxJS, jQuery, CSS, HTML, XML, Bootstrap

Cloud   AWS, Azure, Docker, Kubernetes, Azure Service Fabric, Azure DevOps, Jenkins, Spinnaker

Databases   SQL Server, MySQL, Oracle Database, Cosmos DB, MongoDB, Amazon DynamoDB,

Redis, Cassandra

Tools   Splunk, Datadog, Git, GitHub, Bitbucket, JIRA, Azure DevOps, Visual Studio,

Visual Studio Code, IntelliJ IDEA, SQL Server Management Studio (SSMS), Postman, PowerShell

PROJECTS *More projects available at https://github.com/nikhilmopidevi*
- **Web App –** Developed a multiplayer vocabulary quiz web application *grequiz.com* using **Node.js, Socket.io, jQuery**, and **JavaScript**. Hosted in the cloud using **AWS Elastic Beanstalk** making use of **Amazon EC2** instances with load balancers, and **Amazon DynamoDB**. Recently migrated to my own **Linux server** on DigitalOcean.
- **Android App -** Developed an Android application in **Java** which tracks prices of products from online shopping sites.
- **Chrome Extension -** Created a **JavaScript** web application which assists my college students to know their grades in a single click.
- **Desktop App -** Built an SMS service in **Java** for users to get directions with only an SMS.

EDUCATION
Master's in Computer Science   *Dec. 2017*
University of Cincinnati

Bachelor's in Computer Science   *May 2016*
JNTU University