

# PUNIITH P

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## SUMMARY:

Over 6 years of hands-on experience as a **Full Stack Developer**, specializing in **Node.js backend development** and **serverless AWS stack applications**. Proven ability to **design, develop, and deploy** robust web applications using **JavaScript (ES6+), ReactJS, AWS Lambda, AWS S3, AWS SNS/SQS**, and **Node.js**. Proficient in building **e-business, B2B, and B2E applications**, leveraging the **MEAN/MERN stack** and **AWS services** such as **Lambda, S3, Kafka, NIFI, SQS, SNS, DynamoDB** and **AWS App Sync**. Successfully migrated existing code to **modern frameworks, implemented microservices architecture**, and leveraged **DevOps** practices to ensure efficient deployments and **high-quality software**.

I have honed my expertise in leveraging **Node.js** for **serverless backend development**. I have extensively utilized **AWS Lambda functions** to create scalable and cost-effective **backend services** that integrate seamlessly with other AWS components like **S3, SNS, and DynamoDB**. This experience includes building and deploying serverless applications in **Node.js** for various projects, including **SES, SQS, Kinesis, CloudWatch, CloudFormation**. My experience with **Node.js** and serverless architecture allows me to efficiently manage **serverless infrastructure, optimize code performance**, and deliver **highly responsive web applications**.

- Developed and enhanced microservices using **Node.js** and **AWS technologies (Lambda, S3, SNS/SQS)** to meet changing business needs.
- Integrated **AppSync** with **GraphQL** to efficiently manage **data queries and mutations**, providing a seamless and responsive user experience in a dynamic and collaborative environment.
- Experience in building **Web Applications** with frameworks like **Angular, React, Node.js, Express.js, and MongoDB** for data storage
- Utilized the offline capabilities of **AppSync** to allow users to **access and modify data even when offline**, with **automatic synchronization** once connectivity is restored.
- Created unit tests using **Jest** for code coverage and automated test cases using **BDD** frameworks.
- Utilized DevOps practices within an AWS technology environment, including setting up **CD/CI pipelines in Git for deployment**.
- Demonstrated expertise in building **RESTful** web services and components using **JavaScript (ES6+)** and **Node.js**.
- Extensive experience in backend development using **Python** and **TypeScript**, but highlighting **Node.js** specifically for this role.
- Extensive experience in **backend development** using **Python, NodeJS, and Typescript**, with a strong focus on creating **unit tests, QA automation, and performance scripts** using tools like **Jest, playwright, and JMeter**.
- Proficient in **DevOps practices**, working in agile teams within an **AWS technology** environment. Experienced in creating **ops scripts** and **infrastructure maintenance** using tools such as **AWS CDK, ansible, and Cloud Formation**.

- Successfully migrated existing code to modern frameworks, enhancing user experience and incorporating continuous feedback.
- Specialized in **Angular development**, utilizing **Angular framework**, **Angular CLI**, and **Angular Material** for creating dynamic and responsive user interfaces.
- Configured and deployed applications on AWS services including **EC2**, **S3**, **Lambda**, and **API Gateway**, ensuring optimal performance and scalability.
- Proficient in **Docker containerization** for efficient deployment and management of applications, ensuring consistency across various environments.
- Collaborated with cross-functional teams, including **Product Owners**, **Architects**, and **other Software Engineers**, to **design, define, and implement functional features**, contributing to the overall excellence in product development.
- Well-versed in handling **JSON** data and microservices architecture, ensuring efficient communication between various components.
- Skilled in configuring and deploying applications on **AWS** services, including **EC2**, **S3**, **Lambda**, and **API Gateway**.
- Extensive experience in Object-Oriented programming concepts using **JavaScript (Node.js)** and **Apex**.
- Developed applications based on different design patterns such as Model-View-Controller (MVC), Singleton Pattern, and Service Locator, ensuring scalable and maintainable code.
- Proficient in front-end development using **JavaScript**, **HTML**, **HTML5**, **CSS**, and frameworks like **Bootstrap**.
- Expert in **Docker** containerization for efficient deployment and management of applications, ensuring consistency across various environments.
- Specialized in **Angular** development, including **Angular** framework, **Angular CLI**, and **Angular Material** for creating dynamic and responsive user interfaces.
- Developed code on platforms like **WebFlow**, creating **Wordpress**, and **Shopify** Projects.
- Configured and developed web applications in **Spring** and **Node.js**, employing Aspect-Oriented Programming and Inversion of Control.
- Proficient in database programming using various databases like **MongoDB**, **MySQL**, and proficiency in developing **SQL** queries.

#### TECHNICAL SKILLS:

Web Services	RESTful APIs (Node.js, Python), AWS Lambda, DynamoDB, S3, Aurora, Redshift, SES, SQS, Kafka, Kibana, AWS API Gateway, EC2, Cognito
Languages	JavaScript (ES6+), NodeJS, TypeScript, Python, Shell, PHP, SQL
Web Technologies	Node.js, Angular, HTML5, CSS3, Bootstrap, Material UI.
Database	DynamoDB, MongoDB, AuroraDB, MySQL, SQL Server
IDE	Visual Studio Code, IntelliJ IDEA, PyCharm.
Application Servers	AWS (Lambda, EC2), Express.js, XAMP, MAMP
Frameworks	React, Angular, Node.js, Express.js, Laravel, Wordpress, Django
Operating Systems	Windows, Ubuntu, MacOS, Kali Linux, VMWare, Oracle Virtual Box

Version Controls	GIT with Github and GitLab
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### Educational Qualifications:

**Bachelors** - Bachelors of Technology in Information Technology - Jawaharlal Nehru Technological University, Hyderabad, India - **(7.6 GPA)**

### PROFESSIONAL SUMMARY:

**Speedway, Aberdeen, NC**

**Jan 2022 to Till Date**

**Software Engineer**

**Project: Data Migration and Product Development**

#### Responsibilities:

- Spearheaded the **Data Migration** Team for **Speedway**, playing a pivotal role in migrating their Loyalty service to a new client. Led project requirement discussions, designed high-level architectural approaches, and developed comprehensive plans for deliverables.
- Presented and coordinated with various teams on design, dependencies, and timelines, ensuring smooth collaboration and efficient project execution.
- Configured and administered setup in the **AWS EC2** environment, facilitating the migration from classic systems to new ones for existing legacy systems. Developed new applications, involving coding in **Node.js**, and the creation of necessary Node.js backends.
- Created and maintained roles, profiles, permission sets, and public groups for effective user hierarchy setup within our internal data team and prod support team.
- Developed **dashboards, reports**, and demonstrated processes to business users, providing essential support on a daily basis as needed.
- Maintained custom settings and configurations, enabling seamless deployment and toggling of deployables using **YAML** configuration files.
- Implemented data access using **SQL** transformations from **CSV** files, utilizing **SQL** for **data verification**, and creating intermediate **SQL tables** to ensure data accuracy.
- Configured and developed validation rules and workflows to handle data flow, enhancing system functionality.
- Developed and maintained frontend components, ensuring unit test coverage using frameworks like Jest.
- Worked on **continuous integration** and **continuous deployment (CI/CD)** setup, ensuring efficient deployment processes and adhering to industry standards.
- Integrated alerts and support requests within our internal prod support team, ensuring a proactive approach to system health.
- Set up alerts and handled proactive monitoring and notifications, utilizing Splunk for log analysis.
- Worked on updating system versions, monitored existing code to stay up-to-date with the latest technologies.
- Provided regular support to the customer service and support team, handling new requirements to enhance both team members and customer experience.

- Coordinated with our internal data team and prod support team, opened cases as needed, and documented them for future reference.
- Environment: **Visual Studio Code, Git, HTML, JavaScript, AWS EC2, SQL, YAML, Node.js, Splunk.**

**MGM, Las Vegas, NV**

**Apr 2019 to Dec 2021**

**Software Developer**

**Project: Strategic Product Development**

**Responsibilities:**

- Understood business requirements and planned the work for the upcoming program implementation, collaborating with the business team for detailed technical aspects.
- Created flow/application topology diagrams using **draw.io** or **Visio**, ensuring clear communication of system architecture.
- Participated in PI planning, managing dependencies and risks for future work commitments.
- Developed new Microservices or enhanced existing ones to meet new business needs, utilizing **MEAN Stack** and **AWS technologies**.
- Set up LDAP group membership and ensured application security for seamless interaction with client networks.
- Created unit tests using frameworks like **Mocha** and **Jest**, achieving required metrics for code coverage and involving in automating test cases using BDD Framework.
- Set up CD/CI pipelines in **Git** for deployment and migrated existing pipelines to **Gitlab** CD/CI pipelines.
- Deployed and checked out components in production environments using **AWS** and Pivotal Cloud Foundry.
- Set up Grafana and Kibana dashboards and alerts to proactively monitor daily functionality, analyzing the usage of developed products.
- Worked on updating system versions in each merge request, ensuring existing code is up-to-date with the latest technologies.
- Tested code behavior and integration in each phase, coordinating with the performance team to gather Business Volume Metrics (BVM's).
- Used tools like **Eagle Eye** to capture metrics of all callouts and Query Plan tool to verify performance of all database queries.
- Worked on projects to develop applications and set up Git pipelines to deploy components to Heroku.
- Integrated data between systems as a backup during outages and continued business flows for users.
- Developed Node.js applications, providing support and handling production incidents.
- Migrated existing code to **MEAN Stack** and implemented required logic in the Financial Service Cloud.
- Verified **NIQS, Aqua**, and **PMD** scan status of all dependencies on a daily basis.
- Developed **Python scripts** to run automated activities for **Heroku** applications.
- Involved in agile ceremonies, documenting required details, and using tools like **VersionOne** to plan and handle progress.
- Environment: **Visual Studio Code, Git, HTML, JavaScript, Node.js, Heroku, AWS.**

**7Eleven, Dallas, TX**

**Apr 2018 to Mar 2019**

**MEAN Stack Developer**

## Project: Loyalty Engine

### Responsibilities:

- Interacted with business for requirement gathering, owning the feature-level technical requirement gathering and documentation responsibility.
- Participated in Program Increment planning, setting achievable sprint level goals for timely delivery of minimum viable products.
- Led the complete cycle of design, coding, **unit testing**, and **automation testing** (using BDD) for developed modules.
- Developed new components end-to-end for user interaction to database update, using **MEAN Stack** technologies.
- Created custom pages to incorporate business needs, involving the development of various layers between user interaction and database update.
- Integrated flows between leads and campaigns, collaborating with dependent teams for any changes to the account page.
- Reviewed release notes, documented impacted changes, and mapped stories accordingly to meet timelines.
- Developed and maintained several **RESTful web services** and components.
- Gathered business requirements related to system implementation.
- Delivered requirements that involved UI, coding, and related unit and automation testing.
- Implemented continuous delivery setups, ensuring compliance with company and industry standards.
- Mentored offshore team members and managed their deliverables.
- Managed code using **GIT**, handling component issues and technical debts.
- Provided production support, managing service tickets, and updating feature backlogs with related defects.
- Followed **MEAN stack technologies** for daily activities and delivery commitments.
- Environment: **Node.js, Express.js, Angular, MongoDB, GIT, JSON, BDD, Jenkins, Agile Scrum, Jira, MEAN Stack.**

Sellsage, Canton, MI

July 2017 to Apr 2018

Full Stack Developer

Project: Website maintenance and Onboarding Portal

### Responsibilities:

- Collaborated extensively with the sales and marketing team to meticulously gather and understand software development requirements, ensuring alignment with business goals.
- Conducted detailed design sessions and formulated a robust architecture to meet the evolving needs of sales and marketing applications.
- Actively contributed to the end-to-end development lifecycle, employing **Next.js** and **Node.js** technologies to build and maintain **dynamic web applications**.
- Leveraged the power of **AWS services** to drive backend development, employing serverless computing with **AWS Lambda**, ensuring optimal data storage with Amazon **DynamoDB**, and facilitating seamless deployment using **Amazon S3**.
- Developed and implemented a groundbreaking Excel to DynamoDB update system, utilizing **AWS Lambda** functions to significantly reduce stock update times, enhancing overall operational efficiency.

- Spearheaded the creation of a new onboarding tool for sustainable businesses, showcasing a commitment to innovation and contributing to the development of an eco-friendly solution aligned with industry best practices.
- Engineered a sustainable Green **E-commerce Platform**, embodying a dedication to environmentally responsible solutions, leaving a lasting impact on both users and the ecosystem.
- Played a pivotal role in the implementation of an automated marketing mail portal, offering an efficient alternative to existing services and streamlining communication strategies.
- Worked closely with cross-functional teams to enhance existing applications and introduced new features, maintaining a collaborative approach to ensure project success.
- Active participation in regular agile ceremonies, providing valuable insights, progress updates, and ensuring seamless coordination with team members.
- Demonstrated exceptional problem-solving skills and a high degree of adaptability to evolving project requirements, contributing to a dynamic and agile development environment.
- Environment: **Next.js, Node.js, AWS Lambda, DynamoDB, S3, GIT, JSON, Agile Scrum.**