

# Mathesh Ramesh

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## Education

### Northeastern University

Master of Science - Software Engineering Systems; **GPA: 3.9/4.0**

**Relevant Courses:** Object-Oriented Design, Web Design and User experience, Cloud Computing

**Boston, MA**

*Expected Dec 2025*

## Experience

### Intellect Design Arena Private Limited

Software Engineer (Salesforce Developer)

**Chennai, IN**

*Jul 2021 – Dec 2023*

- Designed, developed, and deployed custom objects, page layouts, Lightning flows, custom tabs, Lightning Web Components, Apex classes, and triggers for a UK-based wealth management firm.
- Developed functionality using Lightning Flow and Apex to merge duplicate client records, running checks to prevent data loss and asynchronously transferring related records. A custom object tracks merge status, improving data integrity and efficiency by 25%.
- Developed a custom Income and Expenditure tab using LWC, including a summary section for an overview of records. Automated record management processes with Apex triggers, ensuring precise and reliable data capture, improving accuracy by 20%.
- Built a dynamic Lightning Web Component for managing notes, featuring a modal for easy note entry and validation, significantly improving data entry efficiency for over 800k clients by providing real-time feedback and automated character count validation.
- Created custom reports and dashboards for a staff of over 4000, improving operational efficiency.
- Implemented a feature for tracking client review meeting details, enhancing data capture accuracy and aiding advisers effectively.
- Integrated real-time data flow between Salesforce and third-party applications using platform events and triggers, improving system-wide data accuracy.

### Intellect Design Arena Private Limited

Software Trainee

**Chennai, IN**

*Feb 2020 – Jun 2021*

- Implemented validation rules aligned with business requirements to ensure data accuracy and consistency.
- Updated Lightning Flows to accommodate new requirements, carefully maintaining existing logic integrity.
- Enhanced Apex classes and optimized SOQL queries to support updated functionality and meet the new specifications.
- Created and executed test cases for over 100 stories with 100% code coverage, resulting in a defect-free outcome.
- Automated test cases for smoke, end-to-end (E2E), and regression testing, reducing manual effort by 50%.
- Collaborated with developers, business analysts, and product owners to improve user story requirements, leading to a 47% decrease in defect rates.
- Reported and tracked over 50 defects to closure, improving product quality and customer satisfaction.

## Projects

### 🔗 BOSBuy Ecommerce Web Application | *ReactJS, Redux, ExpressJS, Node.js, MongoDB, Heroku, Stripe*

- Developed an ecommerce platform specializing in selling laptops, with separate roles for Admin and Customers to manage inventory and process orders. Integrated Stripe for secure payments and designed a responsive UI using React Bootstrap components, ensuring a seamless shopping experience.

### 🔗 Cloud Integration Application | *AWS (EC2, RDS, VPC), Terraform, Packer, Node.js, PostgreSQL, SystemD*

- Built a cloud-native web application on AWS, automating infrastructure provisioning with Terraform, image creation with Packer, and service management with SystemD, while using GitHub Actions for CI/CD and ensuring secure data synchronization with PostgreSQL in an RDS instance within a private subnet.

## Technical Skills

**Salesforce Configuration :** Lightning Flows, Lightning Web Components, SOQL, Reports and Dashboards, Data Loader, Visualforce

**Programming :** Java, Apex, JavaScript, Node.js, Python, SQL, CSS, HTML

**Web Frameworks :** ExpressJS, ReactJS, Redux, Bootstrap

**Cloud Technologies :** AWS (EC2, RDS, VPC, Cloudwatch, Lambda, SNS), Terraform, Packer, Heroku

**Databases :** PostgreSQL, MongoDB, MySQL, SOQL

**CI/CD Tools :** GitHub Actions, GitHub Secrets

**Version Control :** Git, Bitbucket

## Certifications

- Salesforce Associate
- Salesforce Platform App Builder
- Salesforce Platform Developer I
- Salesforce Administrator
- SAFe 5 Practitioner