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# Prasanth S

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## PROFESSIONAL SUMMARY

Full Stack Developer with hands-on experience in **Python**, **Java**, and **JavaScript**, specializing in AWS-based web development. Proficient in **AWS services** (EC2, S3, DynamoDB, Lambda, RDS, API Gateway), **React.js** and **Node.js**. Skilled in **relational and NoSQL databases**, **GitHub**, **GitHub Actions** and **CI/CD pipelines**. Knowledgeable in **secure coding principles**, **application security vulnerabilities**, and **countermeasures**. Familiar with **12-Factor App Development Methodology**, **OAuth** and **Elasticsearch**.

## EXPERIENCE

### Software Engineer Intern

### Software AG

06/2023 – 06/2024

- Developed features for **webMethods** using **Python** and **Java**.
- Utilized **AWS services** for application development and deployment.
- Worked with **PostgreSQL**, **MongoDB**, and **DynamoDB** databases.
- Managed code with **GitHub**, implemented **GitHub Actions**, and maintained **CI/CD pipelines**.
- Applied **secure coding principles** using **GitHub Advanced Security** and code scanning.
- Designed microservices with **RESTful APIs**, documented using **Swagger**.

## EDUCATION

Bachelor's degree in Information Technology

GTEC, Vellore

11/2020 – 06/2023

- GPA: 8.5/10

## SKILLS

- **Programming Languages:** Python, Java, JavaScript, C
- **Frontend:** React.js, jQuery, HTML5, CSS3
- **Backend:** Node.js, Express.js, Django
- **Databases:** PostgreSQL, MySQL, MongoDB, DynamoDB, Redis
- **Cloud:** AWS (EC2, S3, Lambda, RDS, API Gateway, CloudFront), GCP
- **DevOps:** Docker, Jenkins, Git, GitHub, GitHub Actions, CI/CD
- **Security:** OAuth 2.0, OpenID Connect, JWT, Secure Coding Practices
- **APIs & Microservices:** RESTful APIs, Swagger

## PROJECTS

- **Inventory Management System API**
  - Python, Django, PostgreSQL, Redis, JWT Authentication [GitHub Link](#)
  - Developed a scalable API with **Django** and **PostgreSQL**.
  - Implemented **Redis** caching and **JWT** authentication.
  - Integrated logging and unit tests for reliability.
- **Task Manager Web Application**
  - MERN Stack (MongoDB, Express.js, React, Node.js), OAuth [Link](#)
  - Built backend with **Node.js/Express.js**; frontend with **React.js**.
  - Implemented **OAuth** for security.
  - Managed data with **MongoDB**.

## ACHIEVEMENTS

- **Team Collaboration:** Recognized for effective collaboration in delivering high-quality software within the webMethods team.