Vedant Pimple

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Summary: Seasoned Software Engineer with 3+ years of experience and a master's in computer science, specializing in Full-Stack Software Development and cloud-native solutions, with expertise in React, Node.js, RESTful APIs, and AWS.

EXPERIENCE

Johnson and Johnson — **Sep 2023 - Apr 2025**
Software Engineer Intern — *New Brunswick, New Jersey*

- Orchestrated comprehensive patient billing, medical records, and data management solutions **using React, Node.js, Express, RESTful APIs,** and AWS, **serving 1M+ patient** accounts and **15K+ daily transactions**
- Archived **5TB+** data in **AWS S3** and leveraged **Amazon Redshift** to create **Power BI** dashboards, reducing reporting time by **70%** and enabling data-driven leadership decisions
- Conducted tests to identify bottlenecks and optimized a legacy website, achieving a **40% performance boost** by implementing location-based suggestions on an interactive map and configuring for public access
- Strengthened enterprise-grade security for a **2,000+ user** clinical platform by integrating **OAuth 2.0** and **JWT-based authentication** with **Okta**, streamlining access management processes to ensure **HIPAA compliance** and safeguard patient data

Intex Technologies — **Jan 2021 - Jul 2023**
Software Engineer I — *Delhi, India*

- Delivered **8 full-stack applications** (screen-readers, high-contrast themes) and **5+ configurable services** using **Go's** concurrency and an event-driven **CQRS architecture**, elevating usability, integrations, and efficiency
- Built **AI-driven** maintenance tools with **ReactJS, Redux, TensorFlow,** and **Node.js**; enabled proactive decisions via dashboards while collaborating in **Agile** cross-functional teams
- Constructed an event-driven telemetry microservice for the **RBI (Remote Browsing Isolation)** product, consuming events via **RabbitMQ** from multiple microservices handling site visits, domain activity, file uploads, downloads, and session management
- Set up **CI/CD pipelines** deploying **Jenkins** for orchestration, **Docker** for containerized builds, and **Selenium** for automated testing, supporting **6** major releases in fiscal year and ensuring efficient and reliable product rollouts

RAIT — **Jan 2020 - Dec 2020**
Software Engineer Intern — *Navi Mumbai, India*

- Contributed to feature development in a cross-functional team using **TypeScript** and **React UI guidelines**; followed **agile** practices and accessibility standards **(WCAG 2.0)** to deliver inclusive, responsive frontend components
- Refined database schemas, collaborated with senior developers on unit tests for a microservices architecture, and integrated **Memcached caching** to enhance overall system scalability and responsiveness
- Designed scalable micro-services leveraging **Kafka** for seamless communication and event-driven scalability ensuring accurate inventory tracking and reduced system downtime

PROJECTS

Disability Navigator (Mobile Application) [Link]

- Developed an Android app to map over 1,000 accessible locations for individuals with disabilities, utilizing real-time geotagging, Java, AWS (Amazon RDS and S3), and Google Maps API to ensure accurate location tracking
- Configured Google Vision API and AWS for image-based categorization and real-time crowdsourced verification, while implementing speech recognition, text-to-speech, and voice navigation to enhance accessibility and user interaction

Smart Shuttle Management System (Saas Platform) [Link]

- Devised a real-time shuttle tracking system that refined commuter experience by recalibrating routes and reducing wait times, integrating GPS tracking, predictive scheduling, and automated route adjustments using Java Spring Boot, Angular, and PostgreSQL
- Increased ETA accuracy by 25% by implementing a Haversine-based geospatial algorithm with real-time traffic data analysis, enabling precise route calculations, congestion prediction, and adaptive intelligent routing for improved reliability

EDUCATION

Syracuse University, College of Engineering and Computer Science — **Aug 2023 - May 2025**
Master of Science, Computer Science

University of Mumbai, Ramrao Adik Institute of Technology — **Aug 2019 - May 2023**
Bachelor of Engineering, Computer Engineering

TECHNICAL SKILLS AND CERTIFICATIONS

- **Languages & Frameworks**: Python, C, C++, C#, Java, Node.js, PHP, Go, TensorFlow
- **Front End Technologies**: HTML, CSS, JavaScript, TypeScript, React, Angular, Redux, GraphQL
- **Databases**: SQL (MySQL, PostgreSQL, AWS RDS), NoSQL (MongoDB, DynamoDB, Elasticsearch)
- **Cloud Services**: AWS (EC2, S3, Lambda, API Gateway), Azure, Docker, Kubernetes, Jenkins, RabbitMQ, Kafka, Power BI
- **Mobile App Development**: Android (Java), Flutter, React Native, Firebase, Google Cloud Platform
- **Certifications: AWS Certified Solutions Architect** [Link] | **AWS Certified Developer - Associate** [Link]