SALMAAN PEHLARI

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1. OBJECTIVE

Software Engineering Graduate student, actively seeking internship for summer 2017

2. EDUCATION

- **M.S. Software Engineering**   **GPA 4.00/4.00**   *San Jose State University CA, USA*   Expected Graduation May '18
- **Courses**: - Enterprise Distributed Systems, Software Systems Engineering, Enterprise Software Platforms, Cloud Technologies, Virtualization Technologies, Web and Data Mining
- **B.E. Computer Engineering**   *Gujarat Technological University, India*   Aug '11 - Jun '15
- **Courses**: - Design & Analysis of Algorithms, JAVA, OOPS, C++, Cloud Computing, Distributed Systems, Data Structures, Computer Networks, Network Security, Parallel Processing, Web Application Development, Database Management Systems, Theory of Computation

3. TECHNICAL SKILLS

- **Programming**:   C, Java, JavaScript, Python
- **Cloud**:   AWS, Bluemix, Heroku
- **Web Development**:   Node.js, AngularJS, HTML5, CSS, Bootstrap, EJS, RESTful Web services, XML, JSON
- **Database/Middleware**:   MySQL, MongoDB, SQLite, Redis, RabbitMQ, Passport.js
- **Software Design:**   UML 2.0, Software Design Patterns, Waterfall, Agile, Scrum, Kanban
- **Tools & Frameworks:** Webstorm, Eclipse, IntelliJ, Git, Junit, Jmeter, Mocha, Pycharm, Panda, Numpy

4. ACADEMIC PROJECTS

➤ **Fast News (Minimalistic News Aggregator and Summarizer)**   *Dec '16- Jan'17*
- Created a lightweight web application which aggregates popular news articles from the web and presented concise summaries in a minimalist user interface. Took extreme consideration of user experience and built a decoupled API server to work with any platform.
- Used machine learning algorithms like K-Nearest Neighbors, TF-IDF values to generate summaries for the news articles. Widely appreciated on HackerNews and Reddit, handled 10K users within days of launching.
- **Technologies**: Node.js, AngularJS, Python, Redis, MongoDB, AWS, HTML/CSS, Bootstrap, Machine Learning

➤ **Airbnb Simulation**   Oct '16- Dec'16
- Developed Airbnb simulation with distributed 3-tier architecture using RESTful web services and MEAN stack.
- Included functionalities like house rentals, trips, bidding, billing, reviews, also implemented own dynamic pricing algorithm.
- Designed modules of analytics and visualization using Elastic Search, Logstash and Kibana.
- Tested the application for 10,000 hosts, 10,000 users and 100,000 billing records.
- **Technologies**: Node.js, Angular.js, Bootstrap, Express, MySQL, MongoDB, JMeter, Mocha, RabbitMQ, Redis, D3.js, ELK

➤ **eBay Prototype**   Sept '16- Oct'16
- Developed the prototype of eBay with MEAN stack technology and RabbitMQ using 3-tier architecture.
- Designed own version of connection pooling which helped in enhancing the performance by 10-12%.
- Included functionality which will generate logs in log file with every click on webpage.
- **Technologies**: Node.js, Angular.js, Express, Bootstrap, MySQL, MongoDB, JMeter, Mocha, Passport.js.

➤ **GENUS Sorting Game**   Sept'16 – Oct'16
- Developed a multiplayer game in Greenfoot platform for Sorting Algorithm Activity under csunplugged.org
- Implemented design patterns like state, factory, proxy, decorator and observer.
- Followed Agile Scrum and Kanban practices throughout the project using GitHub, waffle.io, CFD and sprint burndown chart.
- **Technologies**: Java, Software Development Design Patterns, AWS, Node.js, MySQL

5. PROFESSIONAL EXPERIENCE

➤ **Assistant Systems Engineer – Trainee at Tata Consultancy Services**   Dec'16 – Jul '17
- Worked on SAP MM module enhancements for a Fortune 500 healthcare services company. Achieved seamless update from EHP-4 to EHP-6 by resolving conflicts and implementing OSS Notes.
- Rated 5/5 during Initial Learning Program for SAP ABAP and Core Java.

➤ **Intern - Cad Lab, Indian Institute of Science, Bangalore**   Jun'14 – Jul'14
- Worked with research students building a compiler for their in-house CGRA - REDEFINE.
- Used LLVM and Intel CnC framework to manage context memory allocation for schedulable entities