**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, Docker  
 • **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, D3.js, Highcharts

**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